



# AI TONG SCHOOL

2013  
CONTINUAL ASSESSMENT 1  
PRIMARY 4  
MATHEMATICS

DURATION : 1 h 45 min

DATE : 5 March 2013

## INSTRUCTIONS

Do not open the booklet until you are told to do so.  
Follow all instructions.  
Answer all questions.

Name : \_\_\_\_\_ ( )

Class : Primary 4 \_\_\_\_\_

|                           |
|---------------------------|
| Parent's signature: _____ |
| Date : _____              |

|           |     |
|-----------|-----|
| Section A | 28  |
| Section B | 40  |
| Section C | 32  |
| Total     | 100 |

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### Section A

Questions 1 to 14 carry 2 marks each.

For each question, four options are given. One of them is the correct answer.

Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet with a 2B pencil. (28 marks)

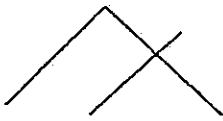
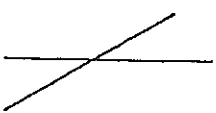


- 
- 1 In the number 46 592, what is the value of the digit 4?
- (1) 40 ones
  - (2) 40 tens
  - (3) 40 hundreds
  - (4) 40 thousands
- 2 14 thousands, 2 tens and 16 ones is \_\_\_\_\_.
- (1) 14 016
  - (2) 14.036
  - (3) 14 216
  - (4) 14 306
- 3 Which of the following is the best estimate of  $62 \times 35$ ?
- (1)  $60 \times 30$
  - (2)  $60 \times 40$
  - (3)  $70 \times 30$
  - (4)  $70 \times 40$
- 4 Which of the following numbers when rounded off to the nearest ten is 78 300?
- (1) 78 354
  - (2) 78 305
  - (3) 78 296
  - (4) 78 246

- 5 What is the remainder when 1928 is divided by 6?
- (1) 1
  - (2) 2
  - (3) 5
  - (4) 4
- 6 Which of the following is a multiple of both 3 and 9?
- (1) 6
  - (2) 12
  - (3) 3
  - (4) 18
- 7 Which one of the letters does not have parallel lines?
- (1) E
  - (2) M
  - (3) A
  - (4) F
- 8 When a number is divided by 7, it has a quotient of 423 and a remainder of 6.  
What is the number?
- (1) 2961
  - (2) 2966
  - (3) 2967
  - (4) 2969

9. Mrs Goh gave her pupils 5 sweets and had 3 sweets left. If she gave each of them 4 sweets, she would have 8 sweets left over. Which of the following is a possible number of sweets she had?

- (1) 13
- (2) 16
- (3) 25
- (4) 28

10. Which of the following figures contains both parallel and perpendicular lines?

- (1) 
- (2) 
- (3) 
- (4) 

11. A television set and a DVD player cost \$3840. The television set cost four times as much as a DVD player. How much does a DVD player cost?

- (1) \$640
- (2) \$768
- (3) \$960
- (4) \$1280

12  $66 \times 55$  is the same as  $60 \times 55 +$  \_\_\_\_\_.

- (1) 6
- (2) 30
- (3) 55
- (4) 330

13 Express  $4\frac{8}{12}$  as an improper fraction in its simplest form.

- (1)  $4\frac{2}{3}$
- (2)  $\frac{14}{3}$
- (3)  $\frac{28}{6}$
- (4)  $\frac{56}{12}$

14 Rajah was given 2 hours to do his Mathematics homework. He completed it  $\frac{3}{8}$  hour earlier than the given time. How long did he take to complete the Mathematics homework?

- (1)  $\frac{3}{8}$
- (2)  $\frac{5}{8}$
- (3)  $1\frac{3}{8}$
- (4)  $1\frac{5}{8}$

**Section B**

Questions 15 to 34 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (40 marks)

15 Write 63 015 in words.

Ans \_\_\_\_\_

16 Arrange the digits 3, 0, 9, 8 and 1 to form the smallest 5-digit odd number.

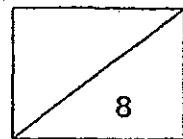
Ans: \_\_\_\_\_

17 Find the sum of the third multiple of 6 and the sixth multiple of 9.

Ans: \_\_\_\_\_

18 What number is 100 more than 58 936?

Ans: \_\_\_\_\_



19 Express 12 fifths as a mixed number.

Ans: \_\_\_\_\_

20  $2 + \frac{3}{4} + \frac{5}{8} = \square$  Give your answer in the simplest form.

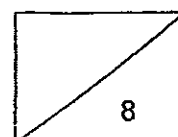
Ans: \_\_\_\_\_

21 Xiao Tong bought 6 baking pans at \$39 each and an oven at \$549. How much did he spend altogether?

Ans: \$ \_\_\_\_\_

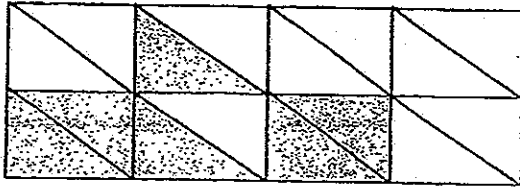
22 Find the product of 345 and 27.

Ans: \_\_\_\_\_





- 23 The figure below is made up of identical rectangles. What fraction of the figure is **not shaded**?



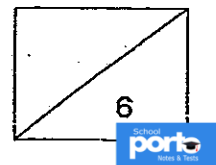
Ans: \_\_\_\_\_

- 24 A whole number is 300 when rounded off to the nearest hundred. What is the greatest possible value of the number?

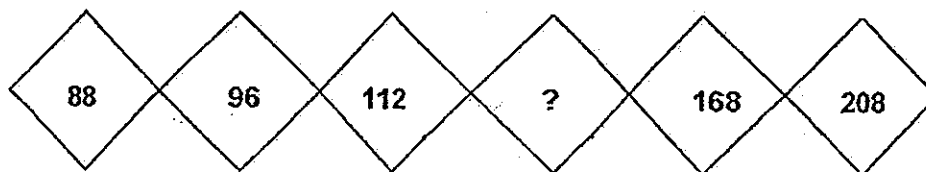
Ans: \_\_\_\_\_

- 25 A 2-digit number gives a remainder of 1 when divided by 3. It also gives a remainder of 3 when divided by 4. What is the smallest possible value of this 2-digit number?

Ans: \_\_\_\_\_



26 Look at the pattern below. What is the missing number?



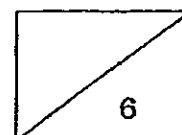
Ans: \_\_\_\_\_

27 Rashida had 30 sweets. She gave 11 sweets to each of her two sons and 3 sweets to her daughter. What fraction of her sweets had she left? Express your answer in the simplest form.

Ans: \_\_\_\_\_

28 At a student leadership camp, some girls and boys were put into groups. In each group, there were 9 girls and 8 boys. If there were 144 girls, find the number of boys.

Ans: \_\_\_\_\_



- 29 The difference of two numbers is 36. If the bigger number is 3 times the smaller number, what is the smaller number?

Ans: \_\_\_\_\_

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- 30 Mary collected 285 stamps. After she gave 53 stamps to Kelly, they had the same number of stamps. How many stamps did Kelly have at first?

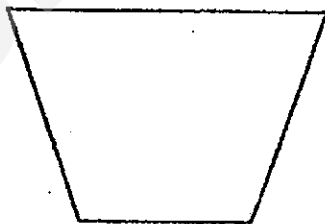
Ans: \_\_\_\_\_

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- 31 Study the figure below.

(a) How many sides does the figure have?

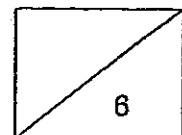
(b) How many angles more than  $90^\circ$  are there inside the figure?



Ans: (a) \_\_\_\_\_

(b) \_\_\_\_\_

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- 32 Siti bought oranges at 3 for \$5. What was the maximum number of oranges that she could buy with \$56?

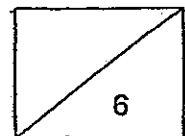
Ans: \_\_\_\_\_

- 33 Bala and Cindy had the same number of pencils. Bala sold 360 pencils while Cindy sold twice as many pencils as he. If Cindy had 568 pencils left, how many pencils did Bala have at first?

Ans: \_\_\_\_\_

- 34 When Gary was 6 years old, his mother was 5 times as old as he. When his mother is 40 years old, how old will Gary be?

Ans: \_\_\_\_\_ years old



**Section C**

Questions 35 to 38 carry 3 marks each. Questions 39 to 43 carry 4 marks each. Show your working clearly in the space provided below each question and write your answers in the spaces provided. (32 marks)

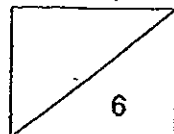
- 35 Mrs Tan had 2210 sweets. She gave away 24 sweets and packed the remaining sweets equally into 7 packets.  
(a) How many sweets were there in each packet?  
(b) How many sweets were left unpacked?

Ans: (a) \_\_\_\_\_ [ 2 ]

(b) \_\_\_\_\_ [ 1 ]

- 36 Andy has 220 stamps. Benny has thrice as many stamps as Andy. Casey has half as many stamps as Benny. How many stamps do the three children have altogether?

Ans: \_\_\_\_\_ [ 3 ]

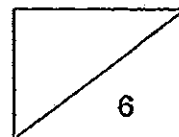


- 37 The total mass of a table and a chair is  $\frac{5}{6}$  kg. Given that the table weighs  $\frac{7}{12}$  kg, how much heavier is the table compared to the chair?  
(Express your answer in the simplest form.)

Ans: \_\_\_\_\_ [3]

- 38 Mr Lim bought 4 shirts and 3 pairs of shoes for \$281. Each pair of shoes cost \$12 more than each shirt. What was the cost of each pair of shoes?

Ans: \_\_\_\_\_ [3]



- 39 Abbie bought some flour to make some buns. Abbie bought 1900g of flour less than Betty. Catty bought 900g of flour more than Abbie. If they bought 14 500g, how much flour did Catty buy? (Give your answer in grams)

Ans : \_\_\_\_\_ [4]

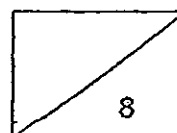
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- 40 Lamp-posts are placed along a road from one end to the other end at an equal distance of 2m apart from each other. The road is 32m long.
- a) Find the number of lamp-posts placed along the road.  
b) If each lamp-post cost \$140, how much would be needed to pay for all the lamp-posts needed for the road?

Ans : (a) \_\_\_\_\_ [2]

(b) \_\_\_\_\_ [2]

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- 41 A fruit stall had a total of 365 apples and oranges. There were 4 times as many apples as oranges. After ~~50~~ some oranges are sold, there were twice as many apples as oranges left. How many oranges were left in the stall?

Ans: \_\_\_\_\_ [ 4 ]

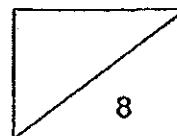
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- 42 Xiao Tong has  $\frac{4}{9}$  kg of flour. Yasmin has  $\frac{8}{9}$  kg more than Xiao Tong.
- a) What is the mass of Yasmin's flour?
- b) After Yasmin used  $\frac{1}{3}$  kg of flour and Xiao Tong bought some more flour, they have the same amount of flour in the end. How much flour did Xiao Tong buy?

\_\_\_\_\_ [ 1 ]

\_\_\_\_\_ [ 3 ]

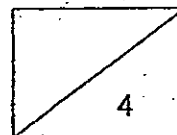
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- 43 Raj bought the same number of table tennis rackets and table nets. The total cost of 3 table tennis rackets and 2 table nets was \$68. The total cost of 1 table tennis racket and 2 table nets was \$36. He spent a total of \$130. How much does 1 racket and 1 table net cost?

Ans: \_\_\_\_\_



**End-of-paper**

Please check your work carefully.

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# ANSWER SHEET

**EXAM PAPER 2013**

**SCHOOL : AI TONG**

**SUBJECT : PRIMARY 4 MATHEMATICS**

**TERM : CA1**

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| 4  | 2  | 2  | 4  | 2  | 4  | 3  | 3  | 4  | 1   | 2   | 4   | 2   | 4   |

- Q15) Sixty-three thousand and fifteen#  
Q16) 10 389  
Q17) 72  
Q18) 59 036  
Q19)  $2 \frac{2}{5}$   
Q20)  $3 \frac{3}{8}$   
Q21) 783  
Q22) 9315  
Q23)  $\frac{10}{16}$   
Q24) 349  
Q25) 19  
Q26) 136  
Q27)  $\frac{1}{6}$   
Q28) 128  
Q29) 18  
Q30) 179  
Q31a) 4  
Q31b) 2  
Q32) 33  
Q33) 1288  
Q34) 16

Q35a)  $2210 - 24 = 2186$   
 $2186 / 7 = 312 \text{ R}2$

Ans: 312

Q35b) Ans: 2

Q36)  $220 \times 3 = 660$   
 $660 / 2 = 330$   
 $660 + 330 + 220 = 1210$   
Ans: 1210

Q37)  $5/6 - 7/12 = 3/12$   
 $7/12 - 3/12 = 4/12 = 1/3$   
Ans:  $1/3 \text{ kg}$

Q38)  $3 \times 12 = 36$   
 $281 - 36 = 245$   
 $245 / 7 = 35$   
 $35 + 12 = 47$   
Ans: \$47

Q39)  $14500 - 900 - 1900 = 11700$   
 $11700 / 3 = 3900$   
 $3900 + 900 = 4800$   
Ans: 4800g

Q40a)  $32 / 2 = 16$   
 $16 + 1 = 17$   
Ans: 17

Q40b)  $140 \times 17 = 2380$   
Ans: \$2380

Q41)  $365 / 5 = 73$   
 $365 - 158 = 207$   
 $207 / 3 = 69$   
Ans: 69 oranges

Q35

$$840 - 49 = 791$$

$$791 / 7 = 113$$

$$113 \times 8 = 904$$

Huixin left with \$904 left

Q36

$$75 + 45 = 120$$

$$4u = 120$$

$$1u = 30$$

$$45 - 30 = 15$$

Zhi Hao must give Aaron 15 stickers.

Q37

$$3 \times 20 = 60$$

$$30 \times 20 = 600$$

$$600 - 60 = 540\text{m}^2$$

$540\text{m}^2$  was the area covered by glass.

Q38

$$10 / 5 = 2$$

$$2 \times 2 = 4$$

$$\text{Perimeter} = 10 + 10 + 4 + 10 + 10 + 10 + 10 + 4 = 68\text{cm}$$

The perimeter of the rectangle is 68cm

Q39

$$1\text{nb} = \$11 - \$4 = \$7$$

$$3\text{nb} = \$7 \times 3 = \$21$$

$$4\text{p} + 3\text{nb} = \$16 + \$21 = \$37$$

The cost is \$37.

Q40

$$336 / 4 = 84$$

$$84 / 3 = 28$$

Siti have 28 blue beads

$$84 \times 3 = 252$$

$$252 / 2 = 126$$

$$336 - 126 = 210$$

She would have 210 beads left.

Q41



$$28/4=7$$

$$52-7-7=38$$

$$38/2=19 \rightarrow m = 1$$

$$19-7=12$$

ED is 12cm

$$19 \times 7 = 133$$

The area is 133cm

Q42

$$\text{Area of A: } 9 \times 7 = 63$$

$$\text{Area of B: } 14 \times 3 = 42$$

$$\text{Area of C: } 21 \times 6 = 126$$

$$\text{Total area: } 63 + 42 + 126 = 231 \text{cm}^2$$

The area of the figure is  $231 \text{cm}^2$ .

Q43

$$\$120 - \$24 - \$24 = \$72$$

$$\$72 - \$24 = \$48$$

$$\$72 + \$24 + \$48 + \$24 = \$168$$

Jiale had \$168 at first.

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Q42a)  $4/9 + 8/9 = 1 \frac{1}{3}$

Ans:  $1 \frac{1}{3}$ kg

Q42b)  $2/3 \times 1 \frac{1}{3} = 8/9$

$8/9 - 4/9 = 4/9$

Ans:  $4/9$  kg

Q43)  $68 - 36 = 32$

$32 / 2 = 16$

$36 - 16 = 20$

$20 / 2 = 10$

$10 + 16 = 26$

Ans: \$26

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# METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887



## CONTINUAL ASSESSMENT 2013 PRIMARY 4 MATHEMATICS

### Total Time

Section A : 10 minutes

Section B to D: 1 h

### INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

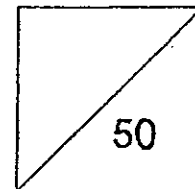
Follow all instructions carefully.

Answer all questions.

Name: \_\_\_\_\_ ( )

Class: Primary-4. \_\_\_\_\_

Date: 5 March 2013



This booklet consists of 10 printed pages including this page.



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**Section A : Mental Sums (5 marks)**

1 \_\_\_\_\_

2 \_\_\_\_\_

3 \_\_\_\_\_

4 \_\_\_\_\_

5 \_\_\_\_\_

6 \_\_\_\_\_

7 \_\_\_\_\_

8 \_\_\_\_\_

9 \_\_\_\_\_

10 \_\_\_\_\_



## Section B

Questions 11 to 15 carry 1 mark each. Questions 16 to 20 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet.

(15 marks)

---

11 What is the value of the digit 3 in 32 190?

- (1) 3 tens
- (2) 3 hundreds
- (3) 3 thousands
- (4) 3 ten thousands

12 Arrange the following numbers in order, beginning with the greatest.

96 305, 96 530, 96 503

- (1) 96 530, 96 503, 96 305
- (2) 96 530, 96 305, 96 503
- (3) 96 503, 96 530, 96 305
- (4) 96 305, 96 503, 96 530

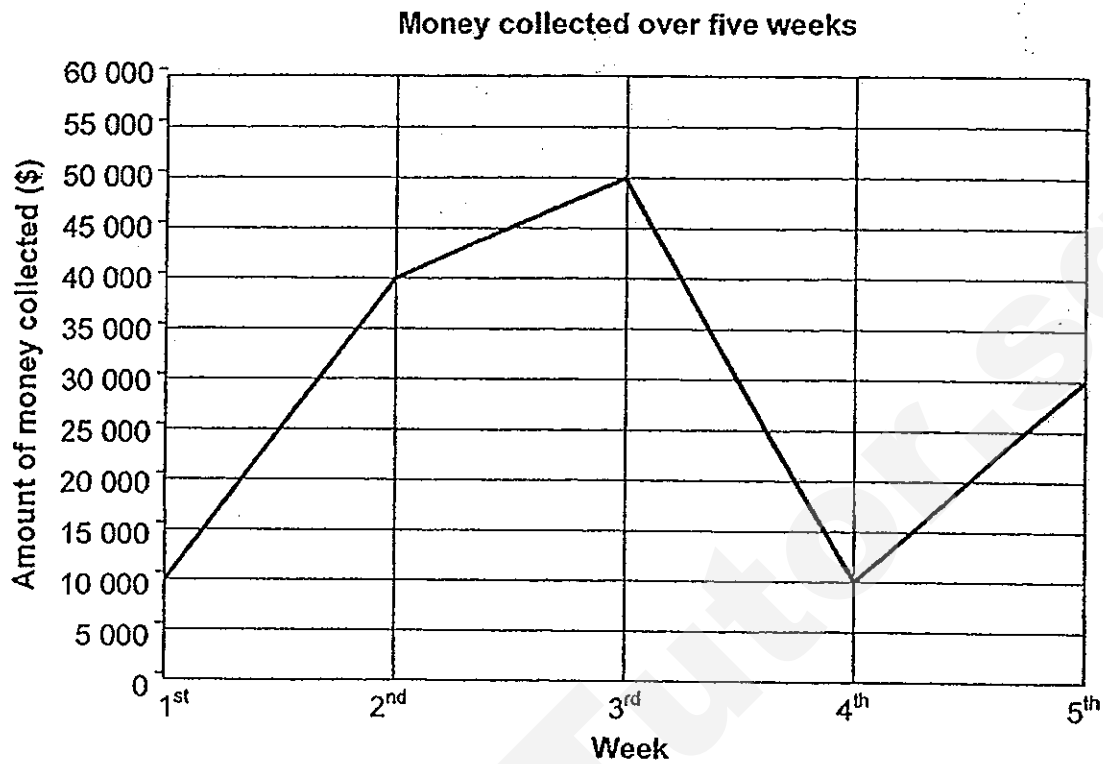
13 Which of the following has the same value as 2 thousands and 170 tens?

- (1) 2 170
- (2) 3 700
- (3) 21 700
- (4) 37 000

14 What is the best estimate of  $985 \times 89$ ?

- (1)  $900 \times 80$
- (2)  $900 \times 90$
- (3)  $1000 \times 80$
- (4)  $1000 \times 90$

- 15 The line graph below shows the amount of money the National Charity Fund collected each week over five weeks.



During which 1-week interval was the increase in the amount of money collected the greatest?

- (1) 1<sup>st</sup> to 2<sup>nd</sup> week
  - (2) 2<sup>nd</sup> to 3<sup>rd</sup> week
  - (3) 3<sup>rd</sup> to 4<sup>th</sup> week
  - (4) 4<sup>th</sup> to 5<sup>th</sup> week
- 16 How many common factors do 8 and 24 have?
- (1) 1
  - (2) 2
  - (3) 3
  - (4) 4
- 17 What is the sum of the first two common multiples of 4 and 6?

- (1) 10
- (2) 24
- (3) 36
- (4) 72

18 When a number is divided by 5, the quotient is 8 and the remainder is 3. What is the number?

- (1) 24
- (2) 29
- (3) 40
- (4) 43

19 Alice has 25 stamps. Noah has 16 times as many stamps as Alice. Noah has 4 times as many stamps as Victoria. How many stamps does Victoria have?

- (1) 45
- (2) 100
- (3) 164
- (4) 1 600

20 In a carpark, the cars are parked in straight rows. Each row has an equal number of cars. When Mr Lee is in his car, he realises that there are 6 cars to his right and 3 cars to his left. There are 2 rows of cars in front of him and 2 rows of cars behind him. How many cars are there in the carpark altogether?

- (1) 36
- (2) 40
- (3) 50
- (4) 72

- 28 A total of 1450 people watched a movie last Saturday. There were 588 more adults than children. How many children were there in the theatre?

Ans: \_\_\_\_\_

- 29 Dr Toh saw some patients on Monday. Every day from Tuesday to Wednesday, he saw 3 more patients than the day before. He saw a total of 78 patients from Monday to Wednesday. How many patients did he see on Monday?

Ans: \_\_\_\_\_

**Section D**

For questions 30 to 33, show your working clearly and write your answers in the space provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question. (16 marks)

---

- 30 Nazrul saves \$180 a day.  
Shao Ming saves \$257 more than Nazrul every day.  
How much do they save altogether in 7 days?

Ans: \_\_\_\_\_ [4]

- 31 Jaslyn paid a total of \$572 for 4 tables and 6 chairs.  
Each table costs \$38 more than each chair.  
What is the cost of each chair?

Ans: \_\_\_\_\_ [4]

32 Tina sells a box of cookies for \$6.  
James sells a box of cookies for \$9.

(a) List the first 7 multiples of 6 and 9.

(b) What is the least number of boxes of cookies that Tina must sell before she earns the same amount of money as James?

(a) Multiples of 6: \_\_\_\_\_ [1]

Multiples of 9: \_\_\_\_\_ [1]

(b) Ans: \_\_\_\_\_ [2]

33 May, Allen and Jane have 360 erasers altogether.  
After May gave Jane 20 erasers and Allen gave Jane 70 erasers, all of them had an equal number of erasers.

(a) How many erasers did Allen have at first?

(b) How many erasers did Jane have at first?

(a) Ans: \_\_\_\_\_ [2]

(b) Ans: \_\_\_\_\_ [2]

End of Paper



# ANSWER SHEET

**EXAM PAPER 2013**

**SCHOOL : METHODIST GIRLS'**

**SUBJECT : PRIMARY 4 MATHEMATICS**

**TERM : CA1**

| Q11 | Q12 | Q13 | Q14 | Q15 | Q16 | Q17 | Q18 | Q19 | Q20 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4   | 1   | 2   | 4   | 1   | 4   | 3   | 4   | 2   | 3   |

Q21) 240

Q22) 10

Q23) 15

Q24) 85230

Q25) 23613

Q26) 6300

Q27) 48

Q28) 431

Q29) 23

Q30)  $180 \times 7 = 1260$

$$257 + 180 = 437$$

$$437 \times 7 = 3059$$

$$3059 + 1260 = 4319$$

Ans: \$4319

Q31)  $38 \times 4 = 152$

$$572 - 152 = 420$$

$$420 / 10u = 42$$

Ans: \$42

Q32a) 6, 12, 18, 24, 30, 36, 42  
9, 18, 27, 36, 45, 54, 63, 72, 81

Q32b)  $18 / 6 = 3$   
Tina must sell 3 boxes of cookies.

Q33a)  $360 / 3 = 120$   
 $120 + 70 = 190$   
Ans: 190 erasers

Q33b)  $120 - 90 = 30$   
Ans: 30 erasers

**SECTION A – (5 x 2 marks)**

There are 5 questions in this section.

Read the questions carefully. Choose the correct answer.

Write its number 1, 2, 3 or 4 in the brackets provided.

- 1) In 34 569, the digit '3' stands for \_\_\_\_\_.
- (1) 30 (2) 300  
(3) 3 000 (4) 30 000 ( )
- 2) 90 170 is \_\_\_\_\_ more than 89 170.
- (1) 10 (2) 100  
(3) 1 000 (4) 10 000 ( )
- 3) Which is NOT a multiple of 6?
- (1) 36 (2) 56  
(3) 132 (4) 264 ( )
- 4) Which one of the following are factors of 45?
- (1) 1 and 4 (2) 4 and 5  
(3) 4 and 9 (4) 5 and 9 ( )
- 5) The product of 49 and 6 when rounded off to the nearest ten is \_\_\_\_\_.
- (1) 200 (2) 290  
(3) 300 (4) 390 ( )



**SECTION B – (6 x 2 marks)**

There are 5 questions in this section.

Read the questions carefully. Write your answer in the space provided.

Show ALL your workings clearly.

6a) Forty-eight thousand and three written as a numeral is

b) In the number 35 687, the digit 5 is in the  place.

7a) 89 951 is  when rounded off to the nearest hundred.

b) List all the factors of 16.

8) A number is 540 when rounded off to the nearest ten. The greatest possible value of the number is

9)

$87 \times 65 =$

10)

I am a multiple of 8.

One of my factors is 5.

I am greater than 40 but less than 100.

I am

11)

Kelly saves \$29 each month.

She can save \$

in 2 years.



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SECTION C – (2 x 4 marks)

There are 2 questions in this section.

Read the questions carefully. Show all your working clearly.

Write your number sentence and statement.

- 12) Mark had 45 bags of marbles. In each bag, there were 268 marbles. He then shared them equally with 4 friends. How many marbles did each child receive?

Working

SmileTutor.sg

- 13) Lily has 2 066 red and blue beads. She has 198 more blue beads than red beads.  
How many blue beads does she have?

Working

Have you  
checked  
your work?

The **porto** d

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# ANSWER SHEET

**EXAM PAPER 2013**

**SCHOOL : ROSYTH**

**SUBJECT : PRIMARY 4 MATHEMATICS**

**TERM : CA1 (Topical Test 1)**

| Q1 | Q2 | Q3 | Q4 | Q5 |
|----|----|----|----|----|
| 4  | 3  | 2  | 4  | 2  |

Q6a) 48003

Q6b) thousands

Q7a) 90000

Q7b) 1, 2, 4, 8, 16

Q8) 544

Q9) 5655

Q10) 80

Q11) 696

Q12)  $268 \times 45 = 12060$

$$12060/5 = 2412$$

Each child received 2412 marbles.

Q13)  $2066 - 198 = 1868$

$$1868/2 = 934$$

$$934 + 198 = 1132$$

She has 1132 blue beads.



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AI TONG SCHOOL

2013

CONTINUAL ASSESSMENT 2

PRIMARY 4

MATHEMATICS

DURATION : 1 h 45 min

DATE : 23<sup>rd</sup> August 2013

**INSTRUCTIONS**

Do not open the booklet until you are told to do so.

Follow all instructions.

Answer all questions.

Name : \_\_\_\_\_ ( )

Class : Primary 4 \_\_\_\_\_

|                            |
|----------------------------|
| Parent's Signature : _____ |
| Date : _____               |

|           |     |
|-----------|-----|
| Section A | 28  |
| Section B | 40  |
| Section C | 32  |
| Total     | 100 |



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**Section A**

Questions 1 to 14 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet with a 2B pencil. (28 marks)

1 The value of the digit 7 in 25 703 is \_\_\_\_\_.

- (1) 70 ones
- (2) 70 tens
- (3) 70 hundreds
- (4) 70 thousands

2 Express  $\frac{4}{5}$  as a decimal.

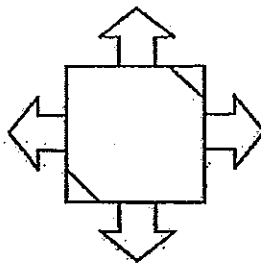
- (1) 0.08
- (2) 0.18
- (3) 0.45
- (4) 0.80

3 A park has a jogging track of 1537 m. Tammy jogs 3 times round it. What is the total distance he has jogged?

- (1) 3159 m
- (2) 3611 m
- (3) 4591 m
- (4) 4611 m

4 How many line of symmetry does the figure have?

- (1) 1
- (2) 2
- (3) 3
- (4) 4



5 Which one of the following fractions is **not** equivalent to  $\frac{4}{7}$ ?

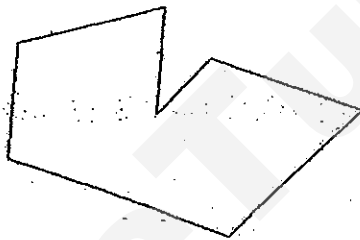
(1)  $\frac{8}{14}$

(2)  $\frac{12}{21}$

(3)  $\frac{20}{35}$

(4)  $\frac{24}{49}$

6 How many pairs of parallel lines are there in the figure below?



(1) 1

(2) 2

(3) 3

(4) 4

7 Which of the following statements is correct?

(1) 4 is a factor of 38.

(2) 6 is a factor of 72.

(3) 8 is a common factor of 72 and 84.

(4) 9 is a common factor of 38 and 72.

- 8 7 tens 3 ones 4 tenths 2 thousandths is equal to \_\_\_\_\_.
- (1) 73.042
  - (2) 73.402
  - (3) 703.042
  - (4) 703.420
- 9 957 thousandths rounded off to 2 decimal places is \_\_\_\_\_.
- (1) 9.57
  - (2) 1.00
  - (3) 0.90
  - (4) 0.96
- 10 Amy spent \$23.55 on a pair of shoes and \$3.95 on a pair of socks. How much had she left if she had \$50 at first?
- (1) \$22.50
  - (2) \$26.45
  - (3) \$27.50
  - (4) \$46.05
- 11 37 532 visitors visited the S.E.A Aquarium on Sunday. This was 7200 more than the number of visitors on Saturday. How many visitors visited the S.E.A Aquarium on Saturday and Sunday?
- (1) 30 332
  - (2) 44 732
  - (3) 67 864
  - (4) 82 264

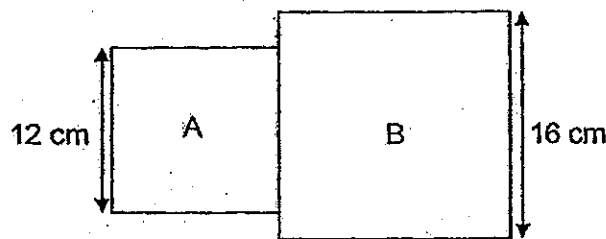
12 Cherie saves the same amount every day. If she saves 60 cents in 2 days, how much will she save in 10 days?

- (1) \$ 0.30
- (2) \$ 3.00
- (3) \$ 6.00
- (4) \$12.00

13 Raja ate  $\frac{1}{5}$  of the pizza in the morning. He ate  $\frac{7}{10}$  of the same pizza in the afternoon. What fraction of the pizza was left?

- (1)  $\frac{1}{10}$
- (2)  $\frac{3}{10}$
- (3)  $\frac{4}{5}$
- (4)  $\frac{9}{10}$

14 The figure below is made up of 2 squares, A and B. What is the perimeter of the figure?



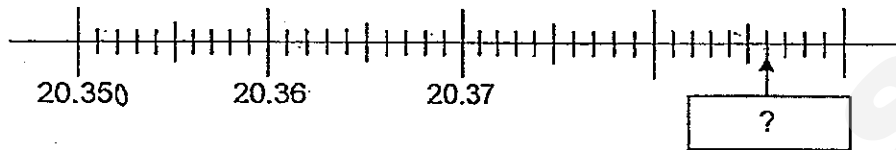
- (1) 64 cm
- (2) 88 cm
- (3) 100 cm
- (4) 112 cm

**Section B**

Questions 15 to 34 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(40 marks)

15 What is the missing number in the box?



Ans: \_\_\_\_\_

16 Find the value of 134 divided by 7. Round off the answer to 1 decimal place.

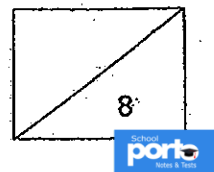
Ans: \_\_\_\_\_

17 What is the product of 95 and 59?

Ans: \_\_\_\_\_

18 What is the difference between the second multiple of 8 and the fifth multiple of 9?

Ans: \_\_\_\_\_



- 19 There are 396 people at a family day carnival. How many children are there if every family has only 2 adults and 1 child?

Ans: \_\_\_\_\_

---

- 20 What is the sum of 60 thousands, 66 hundreds and 6 tens?

Ans: \_\_\_\_\_

---

- 21 The length of a rope is 23.27 m. What is the length of 5 such ropes?

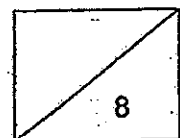
Ans: \_\_\_\_\_ m

---

- 22 Caleb has 229 beads. He has 23 beads more than Jessie. Britney has twice as many beads as Jessie. How many beads does Britney have?

Ans: \_\_\_\_\_

---





23 Arrange the following from the largest to the smallest.

$$0.503, \frac{2}{5}, 0.53, 3.05$$

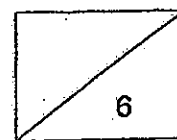
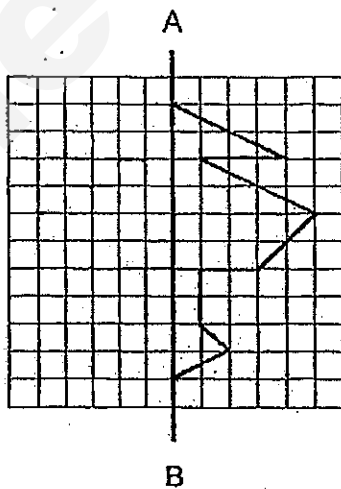
Ans: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

24 Two numbers, Y and Z, have only 2 factors each.  
The product of Y and Z is 21. Y is smaller than Z. What number could Y and Z be?

Ans: Y = \_\_\_\_\_

Z = \_\_\_\_\_

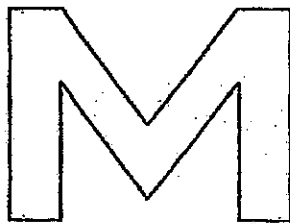
25 Complete the symmetric figure with line AB as the line of symmetry.



26 How many eighths are there in  $3\frac{1}{4}$ ?

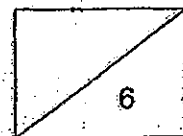
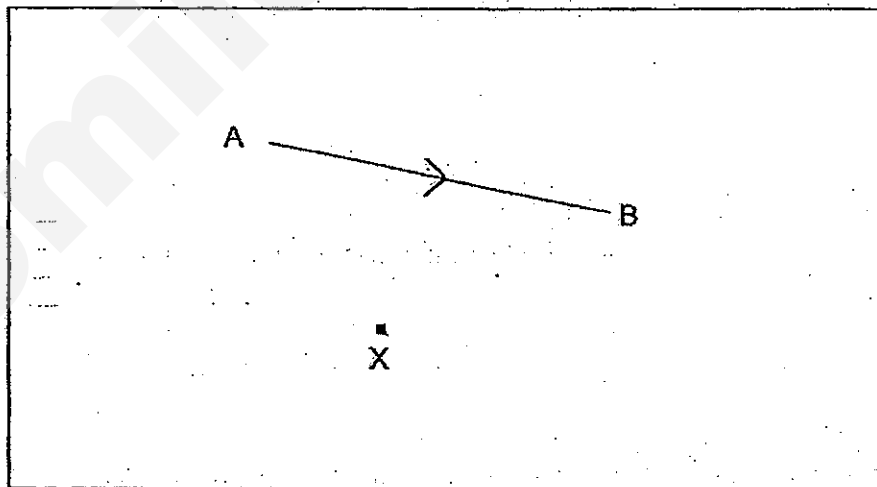
Ans: \_\_\_\_\_

27 How many pairs of perpendicular lines are there in the figure below?



Ans: \_\_\_\_\_

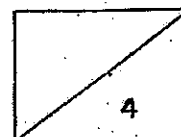
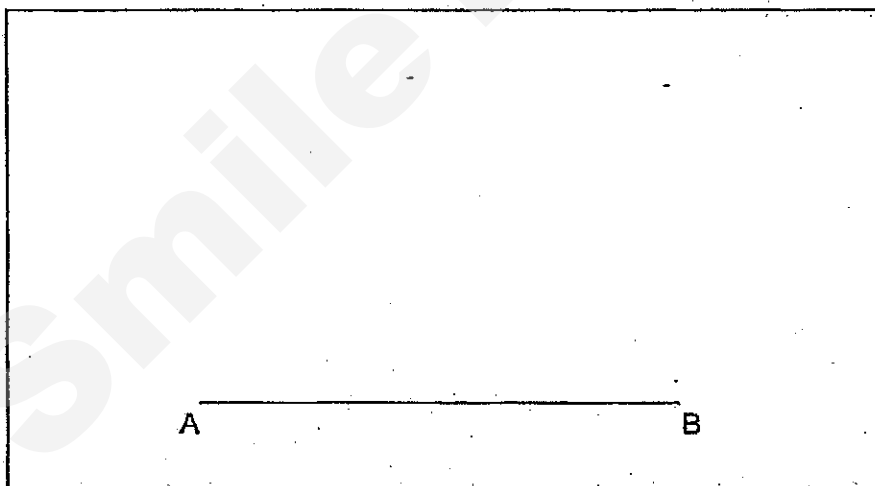
28 Draw and label Line EF, passing through point X, such that it is parallel to Line AB.



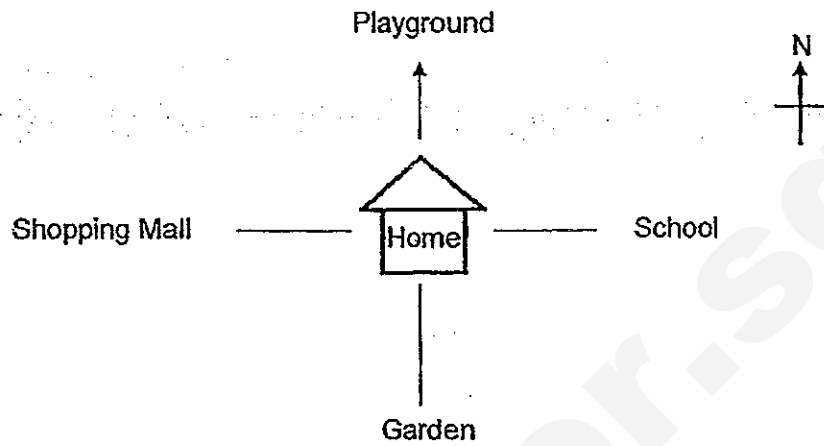
- 29 Sally collected 140 beads. She gave 28 of them to her sister and some beads to Grace. She then found that she had  $\frac{1}{2}$  of the beads left. How many beads did she give to Grace?

Ans: \_\_\_\_\_

- 30 Given line AB, draw and label  $\angle ABC$ , such that it is  $38^\circ$ .

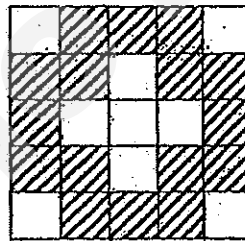


- 31 Simon is at home. His house door is facing south-west. If he were to make a  $135^\circ$  turn anti-clockwise after stepping out of the house, where would he be facing?

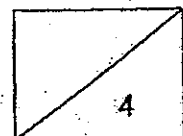


Ans: \_\_\_\_\_

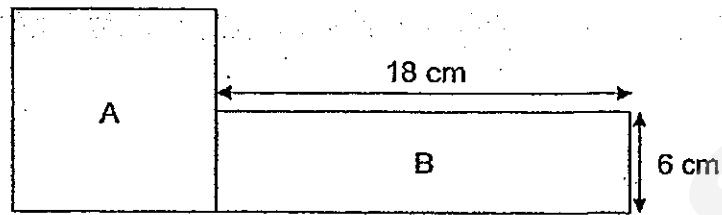
- 32 The figure below is made up of identical 1-cm squares. Find the perimeter of the shaded part:



Ans: \_\_\_\_\_ cm



- 33 The figure below is made up of Square A and Rectangle B. The length of Square A is twice the breadth of the Rectangle B. Find the area of the whole figure.



Ans: \_\_\_\_\_ cm<sup>2</sup>

- 34 Sam has a green rod which measures  $\frac{1}{5}$  m long and Jamie has a yellow rod which is 3.52 m longer than Sam's rod. What is the total length of their rods?  
(Give your answer as a decimal.)

Ans: \_\_\_\_\_ m



**Section C**

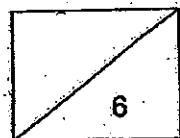
Questions 35 to 38 carry 3 marks each. Questions 39 to 43 carry 4 marks each. Show your working clearly in the space provided below each question and write your answers in the spaces provided. (32 marks)

- 35 Simei bought 7 packets of apples and 3 packets of pears for \$38.50. The cost of a packet of pears is 50 cents more than a packet of apples. How much is 10 packets of apples?

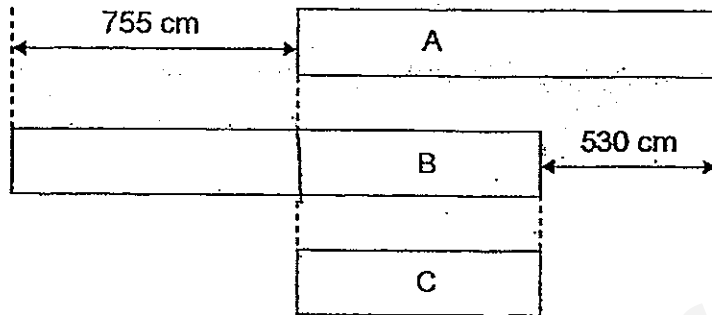
Ans: \_\_\_\_\_ [3]

- 36 Sally had 15 kg of flour. She used  $\frac{3}{5}$  of it to bake a few cakes and gave  $\frac{2}{5}$  kg to her sister to bake cookies. How much flour had she left?

Ans: \_\_\_\_\_ [3]



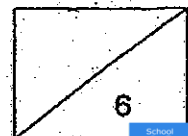
- 37 The diagram below shows 3 bars, A, B and C. Given that the total length of the 3 bars is 3520 cm, find the length of bar C.



Ans: \_\_\_\_\_ [3]

- 38 Mrs Teh bought 30.05 m of cloth. After sewing a bed cover and 4 pillow cases, she had 9.65 m of cloth left. She used 4.4 m of cloth for the bed cover. How many metres of cloth did she use for each pillow case?

Ans: \_\_\_\_\_ [3]



39 The total mass of John and David is 150.4 kg. The total mass of Roy and David is 138.6 kg. The total mass of the 3 boys is 216.4 kg

(a) What is the mass of David?

(b) What is the mass of John?

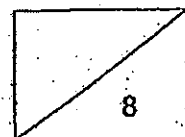
Ans: (a) \_\_\_\_\_ [3]

(b) \_\_\_\_\_ [1]

---

40 Jeremy has 541 stamps. Kelvin has 55 stamps less than Jeremy but has thrice as many stamps as Leo. How many more stamps do Kelvin and Leo have altogether than Jeremy?

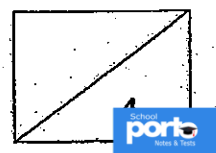
Ans : \_\_\_\_\_ [4]

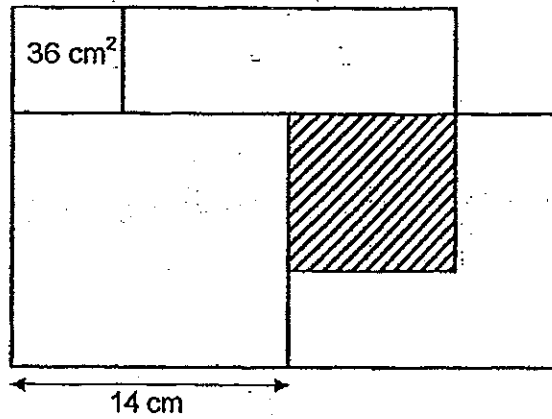




- 41 Cally had some stickers. After giving  $\frac{1}{5}$  of her stickers to Henry and 95 to Aileng, Cally had 105 stickers left. How many stickers did Cally have at first?

Ans: \_\_\_\_\_ [4]



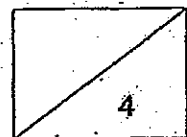


The figure above is made up of 2 identical big squares, 1 medium shaded square, 1 small square and 1 rectangle.

- (a) Given that the area of the rectangle is thrice the area of the small square, find the area of the rectangle.
- (b) Find the perimeter of the shaded medium square.

Ans: (a) \_\_\_\_\_ [1]

(b) \_\_\_\_\_ [3]



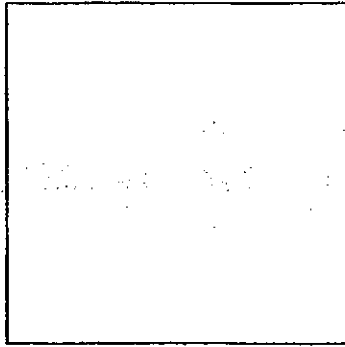


Figure 1

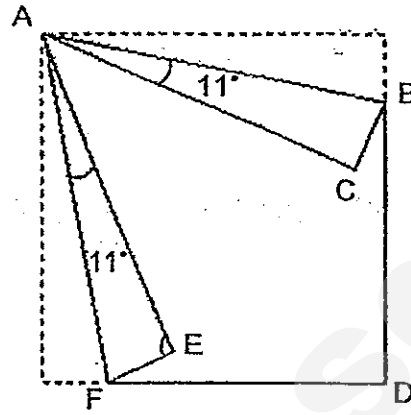


Figure 2

Lily had a piece of square paper as shown in Figure 1.  
She folded the paper as shown in Figure 2.  $\angle BAC = \angle EAF = 11^\circ$ .

(a) Find  $\angle CAE$ .

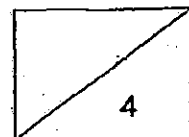
(b) Find  $\angle AEF$ .

Ans: (a) \_\_\_\_\_ [3]

(b) \_\_\_\_\_ [1]

**End-of-paper**

Please check your work carefully.



# ANSWER SHEET

**EXAM PAPER 2013**

**SCHOOL : AI TONG**

**SUBJECT : PRIMARY 4 MATHEMATICS**

**TERM : CA2**

## Section A

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| 2  | 4  | 4  | 2  | 4  | 3  | 2  | 2  | 4  | 1   | 3   | 2   | 1   | 2   |

## Section B

Q15. 20.386

Q16. 19.1

Q17. 5605

Q18. 29

Q19. 132

Q20. 66660

Q21. 116.35

Q22. 412

Q23. 3.050, 0.530, 0.503;  $\frac{2}{5}$

Q24.  $Y=3, Z=7$

Q26. 26

Q27. 6

Q29. 42

Q31. School

Q32. 32 cm

Q33.  $252 \text{ cm}^2$

Q34. 3.92 m

Section C

Q35.  $\$0.50 \times 3 = \$1.50$   
 $\$38.50 - \$1.50 = \$37.00$

Ans: \$37.00

Q36.  $3/5 \times 15 = 9$   
used: 9kg  
left:  $15 - 9 = 6$   
 $6 - 2/5 = 5 \frac{3}{5}$

Ans:  $5 \frac{3}{5}$  kg

Q37.  $755 + 530 = 1285$   
 $3520 - 1285 = 2235$   
 $2235/3 = 745$

Ans: 745cm

Q38.  $30.05 - 4.4 = 25.65$   
 $25.65 - 9.65 = 16.00$   
 $16.00 / 4 = 4.00$

Ans: 4.00 cm

Q39. John + David  $\rightarrow$  150.4kg  
Roy + David  $\rightarrow$  138.6kg  
John + David + Roy  $\rightarrow$  216.4kg  
 $216.4 - 150.4 = 66.0$   
Roy  $\rightarrow$  66.0 kg  
 $138.6 - 66.0 = 72.6$   
David  $\rightarrow$  72.6kg  
 $216.4 - 138.6 = 77.8$   
John  $\rightarrow$  77.8kg

Ans: (a) 72.6kg  
(b) 77.8kg

Q40.  $541 - 55 = 486$   
 $486 / 3 = 162$   
 $486 + 162 = 648$   
 $648 - 541 = 107$

Ans: 107

Q41.  $105 + 95 = 200$   
 $200 \rightarrow 4/5$   
 $200 / 4 = 50$   
 $200 + 50 = 250$

Ans: 250

Q42. a)  $36 \times 3 = 108$   
b)  $6 \times 3 = 18$   
 $6 + 8 = 14$   
 $18 - 14 = 4$   
 $4 + 4 + 4 + 4 = 16$

Ans: a)  $108 \text{ cm}^2$   
b)  $16 \text{ cm}$

Q43. a)  $90 - 22 = 68$   
 $68 - 22 = 46$

Ans: a)  $46^\circ$   
b)  $90^\circ$

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NAN HUA PRIMARY SCHOOL  
CONTINUAL ASSESSMENT 2 – 2013  
PRIMARY 4

MATHEMATICS

Total Time : 1 hour 45 minutes

**INSTRUCTIONS TO CANDIDATES**

1. Write your name and index number in the space provided.
2. Do not turn over the page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions and show your workings clearly.

**Marks Obtained**

| Section | Maximum Marks | Actual Marks |
|---------|---------------|--------------|
| A       | 40            |              |
| B       | 40            |              |
| C       | 20            |              |
| Total   | 100           |              |

Name: \_\_\_\_\_

Class: P 4 \_\_\_\_\_

Date : 28 August 2013

Parent's signature: \_\_\_\_\_





**SECTION A (20 x 2 marks)**

Questions 1 to 20 carry 2 marks each.

Of the four options given, only one is correct. Choose the correct answer (1, 2, 3 or 4) and write its number in the brackets provided.

1. What is the value of the digit '5' in 48.05?

(1) 5

(2) 0.5

(3) 0.05

(4) 0.005

( )

2. Which of the following is equivalent to  $\frac{3}{12}$  ?

(1)  $\frac{1}{4} + \frac{1}{4} + \frac{1}{4}$

(2)  $\frac{1}{6} + \frac{1}{12}$

(3)  $\frac{1}{3} + \frac{2}{9}$

(4)  $\frac{1}{3} \times 4$

( )

3. Find the product of 6 and 0.09 ?

(1) 54

(2) 5.4

(3) 0.54

(4) 0.054

( )

4. Multiply 370 by 25.

(1) 2 590

(2) 7 585

(3) 9 250

(4) 9 275

5. 0.32 expressed as a fraction in its simplest form is \_\_\_\_\_.

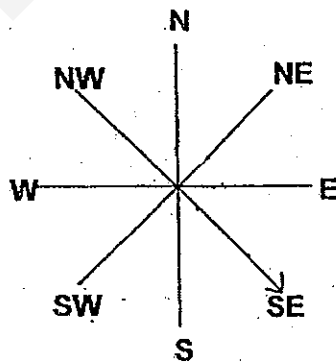
(1)  $\frac{1}{32}$

(2)  $\frac{16}{50}$

(3)  $\frac{32}{100}$

(4)  $\frac{8}{25}$

6. Ahmad is facing south-east. He turns anti-clockwise through  $135^\circ$  and then makes a quarter turn clockwise. Which direction will he face?



(1) East

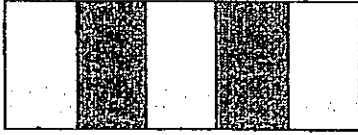
(2) South

(3) North-east

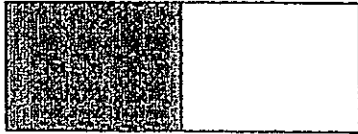
(4) South-west

7. In which one of the following figures is 0.2 shaded ?

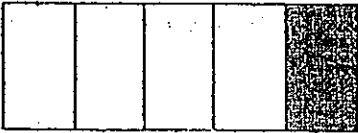
(1)



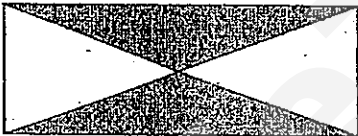
(2)



(3)



(4)



( )

8. How many eighths are there in  $8\frac{1}{4}$  ?

(1) 32

(2) 33

(3) 65

(4) 66

( )

9. Which of the following is correct ?

- (1) 4.07 = 47 hundredths
- (2) 4.07 = 7 hundredths
- (3) 4.7 = 47 tenths
- (4) 4.7 = 7 tenths

( )

10.  $5\frac{3}{100}$  is the same as \_\_\_\_\_.

- (1) 0.53
- (2) 5.3
- (3) 5.03
- (4) 5.003

( )

11. Donald has 1 268 marbles. He has 560 marbles more than Eric. How many marbles do they have altogether?

- (1) 3 096
- (2) 1 976
- (3) 1 828
- (4) 708

( )

12. Mrs Goh baked a pizza and both her children ate  $\frac{1}{3}$  of it each.

Her neighbour ate  $\frac{1}{4}$  of it. What fraction of the pizza was eaten ?

(1)  $\frac{11}{12}$

(2)  $\frac{7}{12}$

(3)  $\frac{5}{12}$

(4)  $\frac{1}{12}$

( )

13. Freddy spent  $\frac{1}{8}$  of the day flying kite at the park. He then played golf for

$\frac{1}{4}$  of the day. He spent the rest of the day at home. How many hours did

Freddy spend outdoors? (Note: There are 24 h in a day.)

(1) 15

(2) 9

(3) 6

(4) 4

( )

14. For every \$100 spent by the public at a mall, \$5 will be donated to charity. How much would the public have spent if \$4 500 was donated to charity?

(1) \$450 000

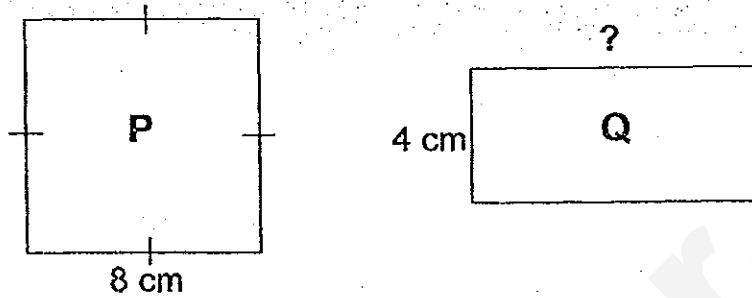
(2) \$427 500

(3) \$90.000

(4) \$22 500

( )

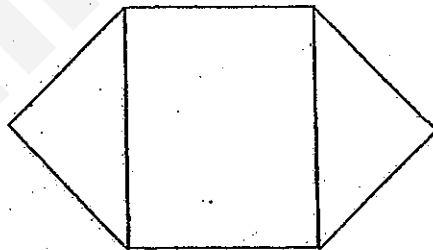
15. Square P and Rectangle Q have the same perimeter.  
 What is the length of Rectangle Q?  
 (The figures are not drawn to scale.)



- (1) 32 cm  
 (2) 28 cm  
 (3) 12 cm  
 (4) 4 cm

( )

16. How many pairs of perpendicular lines can you find in the following diagram?



- (1) 6  
 (2) 5  
 (3) 3  
 (4) 4

( )

17. A ticket for a child to the theme park is priced at \$22.50. An adult ticket costs twice as much. How much does a family of 2 adults and 2 children need to pay for the tickets?

- (1) \$45.00
- (2) \$67.50
- (3) \$90.00
- (4) \$135.00

( )

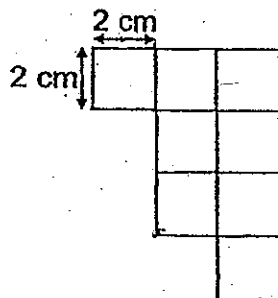
18. After bending a piece of wire to form a square of side 6 cm, there is 24 cm of wire left. If the remaining wire is used to form a rectangle where the breadth is half of the length. What is the greatest possible length of the rectangle?

- (1) 48 cm
- (2) 24 cm
- (3) 8 cm
- (4) 4 cm

( )

19. The figure below is made up of identical squares. What is the perimeter of the figure?

- (1) 32 cm
- (2) 28 cm
- (3) 16 cm
- (4) 14 cm



( )

20. Mrs Tan uses 48.5 g of mashed pineapple to make 10 tarts.  
How much mashed pineapple does she need to make 90 such tarts?  
Round off your answer to the nearest ten.

(1) 440 g

(2) 437 g

(3) 436.5 g

(4) 430 g

( )



**SECTION B ( 20 x 2 marks)**

Questions 21 to 40 carry 2 marks each.

Write the correct answers for the following questions in the blanks provided.  
Show your workings clearly and give your answers in the units provided.

21. Write 2 thousands, 6 tens and 7 hundredths in numerals.

Ans: \_\_\_\_\_

Do not write  
in this space

22. Complete the number pattern below.

54, 108, 324, \_\_\_\_\_, 6480, 38 880

Ans: \_\_\_\_\_

23. Arrange these numbers in descending order.

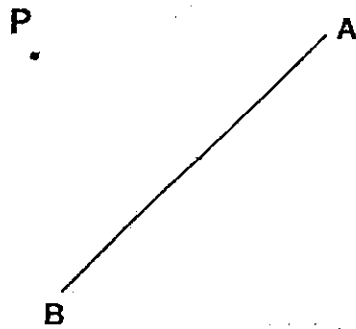
6.91, 6.199, 6.991,  $6\frac{9}{10}$

Ans: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

24. 76.34 when rounded off to 1 decimal place is \_\_\_\_\_.

Ans: \_\_\_\_\_

25. AB is a straight line. Using a ruler and a set-square, draw a straight line parallel to AB passing through point P.



Do not write  
in this space

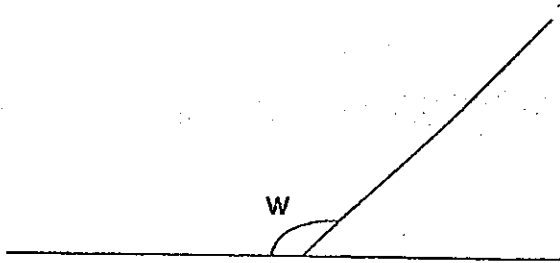
26. Express  $8\frac{2}{5}$  as an improper fraction.

Ans: \_\_\_\_\_

27. Round off the difference between 11 422 and 6 688 to the nearest thousand.

Ans: \_\_\_\_\_

28. Measure the angle marked 'w' in the diagram.



Ans: \_\_\_\_\_

Do not write  
in this space

29. Mary bought 1 red apple and 5 green apples for her family.  
Her mother bought another 3 red apples for the family.  
What fraction of the apples are red?

Ans: \_\_\_\_\_

30. Mr Jim's family used 9 units of water last week.  
If each unit of water cost \$1.20, how much did he have to pay?

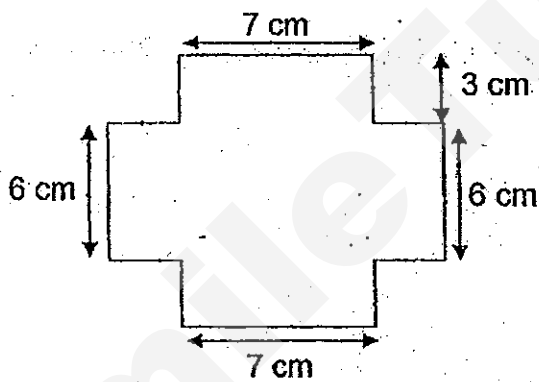
Ans: \$ \_\_\_\_\_

31. Mrs Kumar paid \$76.00 for 3-hours use of the karaoke room including some administrative charge. If it cost \$24.50 to use the room for each hour, how much was the administrative charge?

Do not write in this space

Ans: \$ \_\_\_\_\_

32. Find the perimeter of the diagram shown below.  
(Figure is not drawn to scale.)



Ans: \_\_\_\_\_ cm

33. Lucas, Max and Ned shared \$20 among themselves. Lucas and Max each got \$4 more than Ned. How much did Ned get?

Ans: \$ \_\_\_\_\_

34. Melody bought 4 litres of apple juice. She filled up a jug with the juice and had 1.48 litres left. Find the amount of juice in the jug.

Do not write  
in this space

Ans: \_\_\_\_\_ l

35. Henry is 3 times as old as Irene.  
How old is Henry if their total age is 36 years?

Ans: \_\_\_\_\_ years old

36. A cupcake costs 85¢. For every purchase of 6 similar cupcakes, a discount of 50¢ is given. How much does Mrs Ong have to pay if she buys 30 such cupcakes?

Ans: \$ \_\_\_\_\_

Do not write  
in this space

37. Quincy spent 0.3 of her monthly salary on food.  
She spent  $\frac{1}{5}$  of her monthly salary on paying bills.  
How much did she spend altogether each month if her monthly salary is \$1 500?

Ans: \$ \_\_\_\_\_

38. A piece of rod of 38.7m was cut into 2 shorter pieces.  
One piece was 12.5m long. Find the difference in length between these two shorter pieces of rod.

Ans: \_\_\_\_\_ m

Do not write  
in this space

39. String A is twice as long as String B. String C is 3 m shorter than String A. If the total length of the 3 strings is 22 m, what is the length of String C?

Ans: \_\_\_\_\_ m

40. Tiffany bought 4 similar tins of paint and 3 similar brushes for \$54. Umar paid \$106 for 8 similar tins of paint and 5 similar brushes. Find the cost of a tin of such paint?

Ans: \$ \_\_\_\_\_

**Section C (5 x 4 marks)**

**Do the following sums carefully. All statements and workings must be clearly shown. All units must also be stated clearly.**

41. At the 'Disney On Ice' show, there were twice as many women as men. The number of children was two times the total number of men and women. If the total number of spectators was 5 400, find the number of children who were at the show?

Do not write  
in this space

42. Nathan had \$59.80 in his savings. After purchasing a shirt that cost \$30.50, he was short of \$17.40 to buy a pair of trousers. How much does the pair of trousers cost?



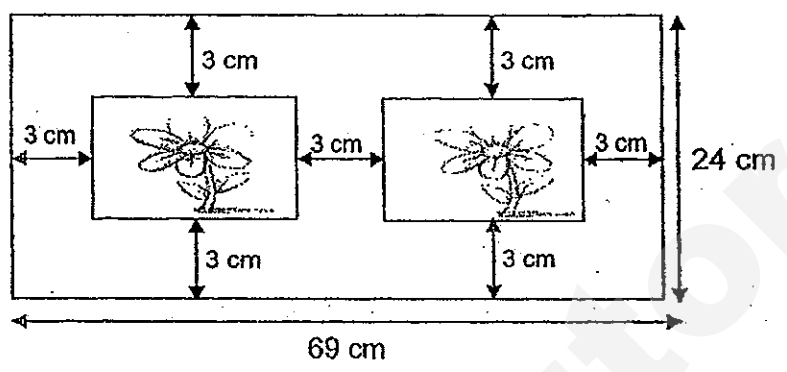
43. A rectangular garden has an area of  $184 \text{ m}^2$ . If the breadth is 8 m, what is the perimeter of the garden?

Do not write  
in this space

44. 35 children were divided into 7 equal groups. Each child got 16 stickers and each group received an extra 10 stickers. How many stickers did they receive altogether?

45. Vincent mounted 2 similar-sized photographs with a space of 3cm all around each photograph onto a frame as shown in the diagram. Find the area of the frame not covered by the 2 photographs. (The diagram is not drawn to scale)

Do not write in this space



End of Paper  
Remember to check your work carefully

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# ANSWER SHEET

## EXAM PAPER 2013

SCHOOL : NAHUAPRIMARY SCHOOL  
LEVEL : PRIMARY 4  
SUBJECT : MATHEMATICS  
TERM : CA2

### Booklet A

|    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 | Q16 |
| 3  | 2  | 3  | 3  | 4  | 1  | 3  | 4  | 3  | 3   | 2   | 1   | 2   | 3   | 3   | 1   |

|     |     |     |     |
|-----|-----|-----|-----|
| Q17 | Q18 | Q19 | Q20 |
| 4   | 3   | 2   | 1   |

21. 2060.07

22. 1296

23. 6.991  $6.916\frac{9}{10}$  6.199

24. 76.3

25.

26.  $42/5$

27. 5000

28. 136

29.  $4/9$

30. 10.80

31. 2.50

32. 50

33. 4

34. 2.52

35. 27

36. 23.00

37. 800

28. 13.7

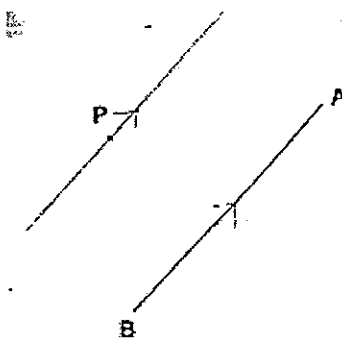
39. 7

40. 12

41.  $5400/9 = 600$

$600 \times 6 = 3600$

42.  $59.80 - 30.50 = 29.30$



$$29.30+17.40=46.70$$

$$43.184/8=23$$

$$23 \times 2 = 46$$

$$8 \times 2 = 16$$

$$16 + 46 = 62$$

$$44.35 \times 16 = 560$$

$$7 \times 10 = 70$$

$$560 + 70 = 630$$

$$45.3 \times 3 = 9$$

$$69 - 9 = 60$$

$$3 + 3 = 6$$

$$24 - 6 = 18$$

$$30 \times 18 = 540$$

$$540 \times 2 = 1080$$

$$69 \times 24 = 1656$$

$$1656 - 1080 = 576$$

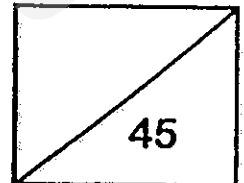


Rosyth School

Second Continual Assessment 2013

Mathematics

Primary 4



Name: \_\_\_\_\_

Class: Pr 4-\_\_\_\_\_ Register No. \_\_\_\_\_ Duration: 1h 30 min

Date: 27<sup>th</sup> August 2013

Parent's Signature: \_\_\_\_\_

**Instructions to Pupils**

1. Do not start on the assessment until you are told to do so.
2. Follow all instructions carefully.
3. This paper consists of 3 parts of individual work: Tasks 2, 3 and 4.

|        | Maximum | Marks Obtained |
|--------|---------|----------------|
| Task 2 | 15      |                |
| Task 3 | 15      |                |
| Task 4 | 15      |                |
| Total  | 45      |                |



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## Instructions to pupils for Tasks 2, 3 and 4

Please read the instructions given for each task carefully to complete all 3 given individual tasks.

### Task 2 (2 pages):

1. You are to use the completed Task 1 to answer the questions in this Task 2.
2. Read the questions carefully and write your answers in the space provided.
3. Give your answers in the units stated.
4. Complete all questions given in Task 2.

### Task 3 (6 pages):

1. Read the instructions given to complete this task.
2. For each Word Problem given in Task 3, identify the correct model to use to solve the problem and write your choice in the space provide.
3. Using the model that you have identified, solve the Word Problem with the appropriate number statements and working. Show all your workings clearly.
4. Complete all questions given in Task 3.

### Task 4 (3 pages including grid paper):

1. Read the instructions given to complete this task.
2. Shade your answers on the grid paper neatly and clearly using a pencil.
3. Complete the task by completing the table given.

End of Alternative Assessment

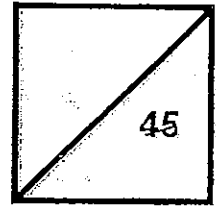
Please check your work!



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ROSYTH SCHOOL  
Primary 4 Mathematics 2013  
Alternative Assessment



Name : \_\_\_\_\_ ( )

Marks

Class : Primary 4- \_\_\_\_\_

Date : \_\_\_\_\_ Parent's Signature : \_\_\_\_\_

**Task 2a : Decimals (Individual Work)**

- a) Based on the information from the total fertility rate (TFR), in which year was the TFR highest in Singapore?

(1 mark)

Answer : \_\_\_\_\_

- b) What is the difference between the total fertility rate of Singapore in 2007 and in 2012 ? (Please show number statement and answer)

Number Statement : \_\_\_\_\_ (1 mark)

Answer: \_\_\_\_\_ (1 mark)

- c) In the boxes provided below, arrange the TFR for Singapore (based on each year's collected data in Task 1a) in ascending order.

(1 mark)

|  |  |  |  |  |  |
|--|--|--|--|--|--|
|  |  |  |  |  |  |
|--|--|--|--|--|--|

Lowest (TFR)

Highest (TFR)





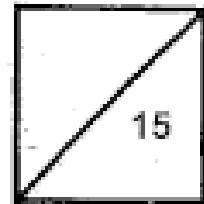
**Task 2b : Decimals (Individual work)**

- You are planning to order food for 3 guests from Australia who are in Singapore to have a taste our local food for a friend's farewell party.
- The **main dishes** consist of nasi lemak and laksa (noodles).
- The **side dishes** consist of fried chicken wing and otah.
- The **beverages** consist of ice lemon tea and barley.
- There must be a main dish, side dish and a beverage for each guest.
- **Each guest MUST NOT have the same exact combination of main and side dish and beverage.**
- The total cost of the food must **not be more than \$25.00.**
- **Use the menu item list given** and work out the type and amount of food that you will order in the space given below.
- List out all your final orders and the total cost in the table given below.

| Guest                           | Main Dish        | Side Dish          | Beverage | Total Cost |
|---------------------------------|------------------|--------------------|----------|------------|
| Guest A<br>(3 Marks)            | Nasi Lemak Set 1 |                    |          |            |
| Guest B<br>(3 Marks)            |                  | Fried Chicken Wing |          |            |
| Guest C<br>(3 Marks)            |                  |                    | Barley   |            |
| <b>Total Cost<br/>(2 Marks)</b> |                  |                    |          |            |



ROSYTH SCHOOL  
Primary 4 Mathematics 2013  
Alternative Assessment



Name : \_\_\_\_\_ (       )

Marks

Class : Primary 4- \_\_\_\_\_

Date : \_\_\_\_\_

Parent's Signature : \_\_\_\_\_

**Task 3: Math Analysis**

**Objective:**

To provide opportunity for pupils to use their critical thinking skills to identify the correct models and use them to solve the given word problem.

**What's Wrong?**

Read the 3 word problems below carefully. Identify the correct model and fill in the blank with the correct answer. You may use the correct model to help you to solve the word problem. You also have to write clearly the number sentence and word statement. (5 marks each)

Word Problem 1

AiShan had 150 more marbles than Beatrice.  
AiShan gave Beatrice 30 marbles. AiShan now has twice as many marbles as Beatrice. How many marbles does AiShan have at first?

Model 1



Model 2



Model 3



The correct model is Model \_\_\_\_\_ (1 mark)

My solution : Please show all number statements and working in the space provided below.  
(4 marks)

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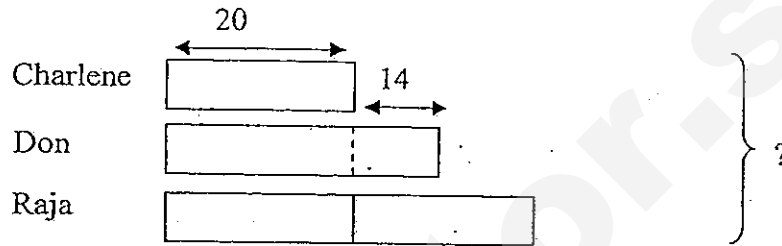


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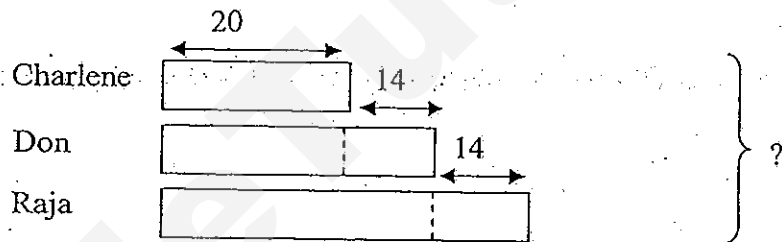
**Word Problem 2**

Charlene baked 20 cookies. Don baked 14 more cookies than Charlene. Raja baked twice as many cupcakes as Don. How many cupcakes did they baked altogether?

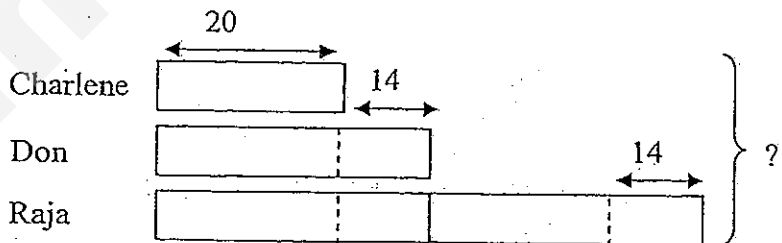
**Model 1**



**Model 2**



**Model 3**



The correct model is Model \_\_\_\_\_ (1 mark)




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My solution : Please show all number statements and working in the space provided below.

(4 marks)

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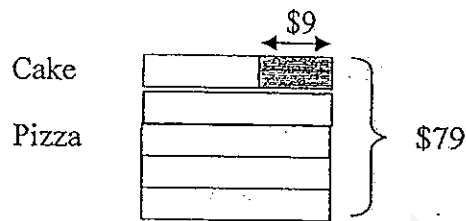
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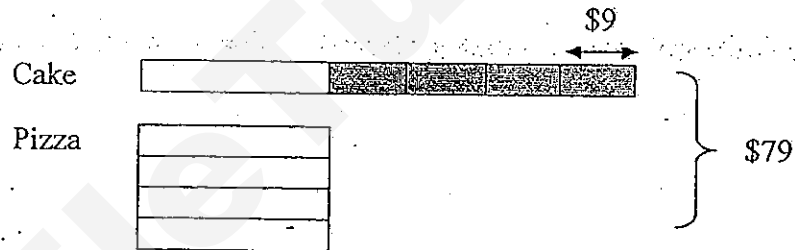
### Word Problem 3

The cost of a cake and 4 pizza is \$79. The cake is \$9 more expensive than each pizza. How much does the cake cost?

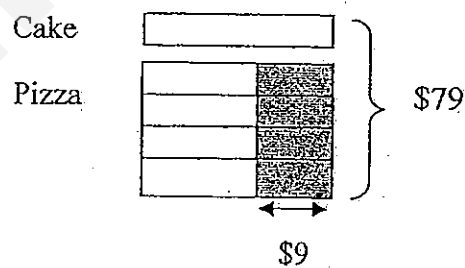
#### Model 1



#### Model 2



#### Model 3



The correct model is Model \_\_\_\_\_ (1 mark)

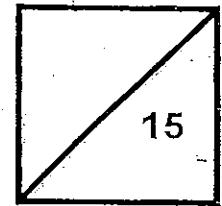
My solution : Please show all number statements and working in the space provided below.  
(4 marks)

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Rosyth School  
Primary 4 Alternative Assessment 2013  
Mathematics



Name : \_\_\_\_\_ (      )

Class : P4 - \_\_\_\_\_

Date : \_\_\_\_\_ Parent's Signature: \_\_\_\_\_

**Task 4: Individual Work**

**Time: 30 minutes**

**Objectives:**

- 1) To draw and find the area and perimeter of different rectangles, given a fixed perimeter.
  - 2) To find the length, breadth and area of different rectangles, given a fixed perimeter.
- a) The square grid given is 1 cm by 1 cm. Draw and shade **5 different rectangles**, each with a perimeter of **48 cm**. Label these figures A, B, C, D and E.

(10 marks)

- b) What are the possible areas, lengths and breadths of rectangles with a perimeter of 48 cm?

Complete the table below with your answers.

(5 marks)

| Perimeter<br>(cm) | Length<br>(cm) | Breadth<br>(cm) | Area<br>(cm <sup>2</sup> ) |
|-------------------|----------------|-----------------|----------------------------|
| 48                |                |                 |                            |
| 48                |                |                 |                            |
| 48                |                |                 |                            |
| 48                |                |                 |                            |
| 48                |                |                 |                            |





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# ANSWER SHEET

**EXAM PAPER 2013**

**SCHOOL : ROSYTH**

**SUBJECT : PRIMARY 4 MATHEMATICS**

**TERM : CA2**

Task 2a

a) 2003

b) Number statement:  $1.07 - 0.78 = 0.29$

Answer: 0.29

c)

|      |      |      |      |     |      |
|------|------|------|------|-----|------|
| 0.78 | 1.07 | 1.08 | 1.09 | 1.1 | 1.11 |
|------|------|------|------|-----|------|

Lowest Highest

Task 2b

| Guest      | Main Dish                  | Side Dish                    | Beverage                | Total Cost |
|------------|----------------------------|------------------------------|-------------------------|------------|
| Guest A    | Nasi Lemak Set 1<br>\$4.20 | Fried Chicken Wing<br>\$1.50 | Ice lemon tea<br>\$1.80 | \$7.50     |
| Guest B    | Laksa<br>\$4.60            | Fried Chicken Wing<br>\$1.50 | Barley<br>\$1.50        | \$7.60     |
| Guest C    | Laksa<br>\$4.60            | Otah<br>\$0.70               | Barley<br>\$1.50        | \$6.80     |
| Total cost |                            |                              |                         | \$21.90    |

### Task 3

#### Word Problem 1

Answer: 2

#### My solution

$$1 \text{ unit} \rightarrow 150 - 30 - 30 = 90$$

$$2 \text{ units} \rightarrow 90 \times 2 = 180$$

$$\text{No. of marbles at first} = 180 + 30 = 210$$

#### Word Problem 2

Answer: 3

#### My solution

$$20 \times 4 = 80$$

$$14 \times 3 = 42$$

$$80 + 42 = 122$$

They baked 122 cookies or cupcakes.

#### Word Problem 3

Answer: 3

#### My solution

$$9 \times 4 = 36$$

$$79 + 36 = 115$$

$$115 / 5 = 23$$

### Task 4

| Length (cm) | Breadth (cm) | Area (cm <sup>2</sup> ) |
|-------------|--------------|-------------------------|
| 20          | 4            | 80                      |
| 19          | 5            | 95                      |
| 15          | 9            | 135                     |
| 14          | 10           | 140                     |
| 13          | 11           | 143                     |



Anglo-Chinese School (Primary)

MID-YEAR EXAMINATION 2013  
MATHEMATICS  
BOOKLET A  
PRIMARY FOUR

Name: \_\_\_\_\_ (     )     Class: Primary 4 \_\_\_\_

Date: 10 May 2013

Duration of Booklet A & B: 1h 45 min

**INSTRUCTIONS TO CANDIDATES**

1. This question paper consists of 7 printed pages.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Shade your answer on the Optical Answer Sheet (OAS) provided.



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## SECTION A - Multiple-Choice Questions (30 MARKS)

Questions 1 to 15 carry 2 marks each.

For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS).

1. 7 345 rounded off to the nearest hundred is \_\_\_\_\_.
  - (1) 7 000
  - (2) 7 300
  - (3) 7 350
  - (4) 7 500
  
2. 59 hundreds, 34 tens and 17 ones is the same as \_\_\_\_\_.
  - (1) 4 007
  - (2) 5 951
  - (3) 6 257
  - (4) 9 317
  
3. Which one of the following numbers is 15 tens more than  $44 \times 19$ ?
  - (1) 686
  - (2) 836
  - (3) 851
  - (4) 986

4. Which of the following is a multiple of both 4 and 9?

- (1) 13
- (2) 28
- (3) 36
- (4) 45

5. Mrs Fernandez is at Newton MRT Station. She notices that the North-bound train arrives every 6 minutes and the South-bound train arrives every 8 minutes. If both trains arrived at 6.00 a.m , when would be the next time both the trains arrive at the station together again?

- (1) 6.12 a.m
- (2) 6.14 a.m
- (3) 6.16 a.m.
- (4) 6.24 a.m.

6.  $\frac{2}{5}$  of 5 has the same value as \_\_\_\_\_.

- (1)  $\frac{2}{5} + 5$
- (2)  $\frac{2}{5} \times 5$
- (3)  $5 - \frac{2}{5}$
- (4)  $\frac{2}{5} \times \frac{2}{5} \times \frac{2}{5} \times \frac{2}{5} \times \frac{2}{5}$

7 Find the value of  $9 - \frac{1}{4} - \frac{5}{12}$ .

(1)  $8\frac{1}{3}$

(2)  $8\frac{1}{2}$

(3)  $9\frac{1}{3}$

(4)  $9\frac{1}{2}$

8. How many sixths are there in  $8\frac{1}{3}$ ?

(1) 12

(2) 25

(3) 50

(4) 75

9. There were 1 672 people at a funfair  $\frac{5}{8}$  of them were children and the rest were adults. How many more children than adults were at the funfair?

(1) 418

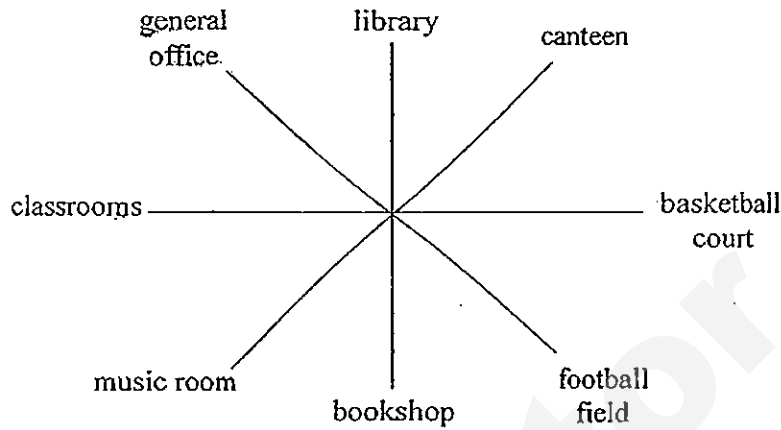
(2) 627

(3) 1 045

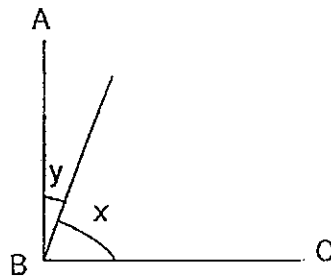
(4) 1 254



10. Flynn is facing the canteen at the moment. If he turns  $225^\circ$  anti-clockwise, he would be facing the \_\_\_\_\_.



- (1) bookshop  
 (2) classrooms  
 (3) football field  
 (4) music room
11. The figure below is not drawn to scale. In the figure below, AB is perpendicular to BC. Given that the size of  $\angle x$  is five times the size of  $\angle y$ , find the difference between  $\angle x$  and  $\angle y$ .

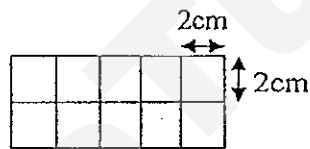


- (1)  $15^\circ$   
 (2)  $18^\circ$   
 (3)  $60^\circ$   
 (4)  $75^\circ$

12. The length of a rectangle is twice its breadth. The perimeter of the rectangle is 72 cm. What is the length of the rectangle?

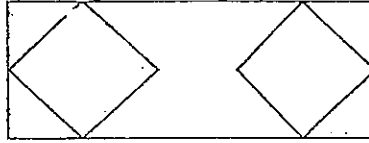
- (1) 8 cm
- (2) 12 cm
- (3) 24 cm
- (4) 36 cm

13. The figure below is not drawn to scale. The figure is made up of identical 2-cm squares. What is the perimeter of the figure?



- (1) 14 cm
- (2) 28 cm
- (3) 40 cm
- (4) 80 cm

14. The figure below is made up of a rectangle and two squares. How many right angles are there altogether?



- (1) 14  
(2) 12  
(3) 8  
(4) 4

15.

E G K U

Which of the following figures contains both parallel lines and perpendicular lines?

- (1) E  
(2) G  
(3) K  
(4) U



Anglo-Chinese School (Primary),

MID-YEAR EXAMINATION 2013  
MATHEMATICS  
BOOKLET B  
PRIMARY FOUR

Name: \_\_\_\_\_ ( ) Class: Primary 4 \_\_\_\_

Date: 10 May 2013

Duration of Booklet A & B: 1h 45 min

\_\_\_\_\_  
Parent's/Guardian's signature

**INSTRUCTIONS TO CANDIDATES**

1. This question paper consists of 16 printed pages.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.

| Section                      | Maximum Marks | Marks Obtained |
|------------------------------|---------------|----------------|
| A. Multiple-Choice Questions | 30            |                |
| B. Short Answers             | 40            |                |
| C. Problem Sums              | 30            |                |
| Total Marks                  | 100           |                |



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**SECTION B - Short Answers (40 Marks)**

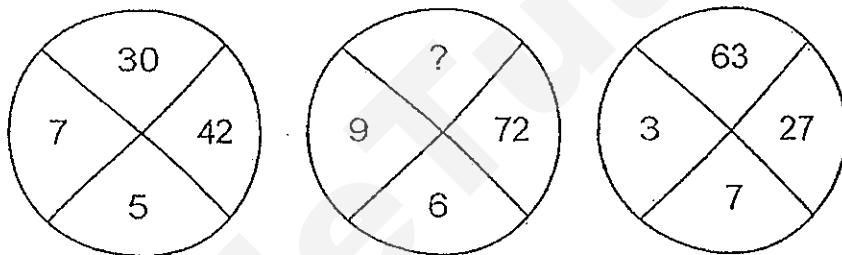
Questions 16 to 35 carry 2 marks each. Show all workings clearly.

Write your answer in the space provided. Give your answers in the units stated and in its simplest form whenever possible.

16. Write eighty thousand and thirty-five in figures.

Answer : \_\_\_\_\_

17. Fill in the blank with the missing number in the number pattern below.



Answer :

18. Two factors of 57 are 1 and 57. What are the other factors of 57?

Answer : \_\_\_\_\_ and \_\_\_\_\_

19. A factory manufactured 3 924 badminton rackets and 836 of them were shipped overseas. The remaining rackets were packed into boxes of 4 rackets each. Each box of rackets were sold at \$12 How much did the factory collect from the sale of the rackets?

Answer : \$ \_\_\_\_\_

20. What is the value of  $\frac{2}{3} + \frac{6}{9}$ ?

Express your answer as a mixed number in its simplest form.

Answer : \_\_\_\_\_

21. Arrange the following fractions from the smallest to the greatest.

Answer : \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_  
(smallest) (greatest)

22. 48 trees are planted along a straight road. The distance between every two trees is 14 m. What is the distance between the first and last tree?

Answer : \_\_\_\_\_ m

23. Which two of the fractions are smaller than  $\frac{1}{2}$ ?

Answer : \_\_\_\_\_ and \_\_\_\_\_

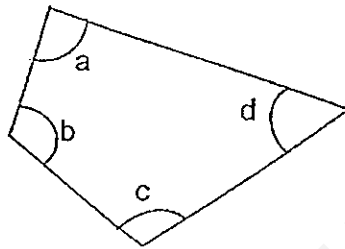
24. Jude's monthly salary is \$4 270. Every month, he spends  $\frac{3}{5}$  of his salary and saves the rest. How much money will he save in half a year?

Answer : \$ \_\_\_\_\_

25. Amanda has less than 100 pencils. The pencils can be packed into bundles of 7 or bundles of 9 with no pencils left over. How many pencils can Amanda have?

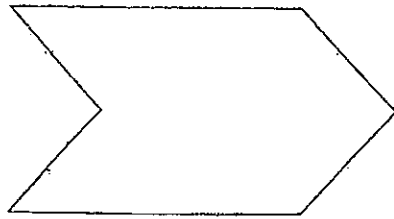
Answer : \_\_\_\_\_

26. In the figure, one of the angles is a right angle. Name the angle.



Answer \_\_\_\_\_

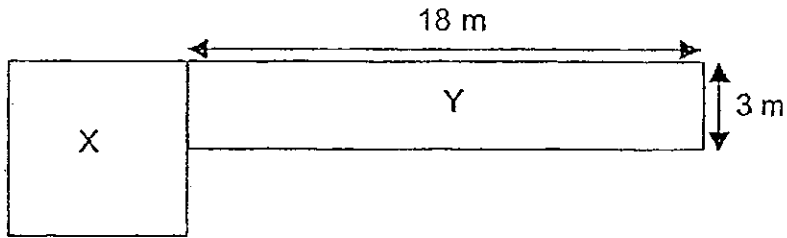
27. How many pair(s) of parallel lines is/are there in the figure below?



Answer : \_\_\_\_\_



28. The figure below, not drawn to scale, is made up of Square X and Rectangle Y. The length of Square X is twice the breadth of Rectangle Y. Find the perimeter of the figure.



Answer : \_\_\_\_\_ m

29. The missing numbers in the boxes are of the same value. What is the missing number?

$$\frac{9}{\boxed{?}} = \frac{6}{10} = \frac{\boxed{?}}{25}$$

Answer : \_\_\_\_\_

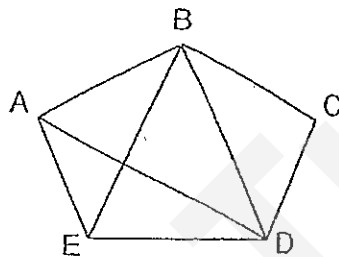
30. There are 48 apples in a basket. 28 of them are green and the rest are red. What fraction of the apples is red? Express your answer in its simplest form.

Answer \_\_\_\_\_

31. What is the smallest odd number that can be divided by 5 with a remainder 3?

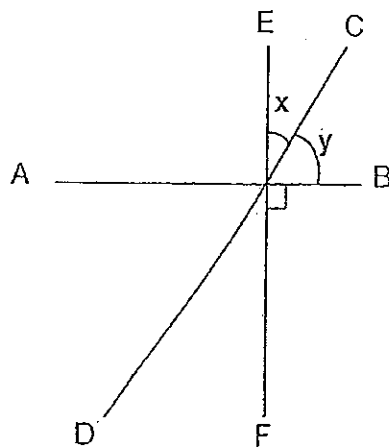
Answer : \_\_\_\_\_

32. In the figure, one of the lines is parallel to BD: Which line is parallel to BD?



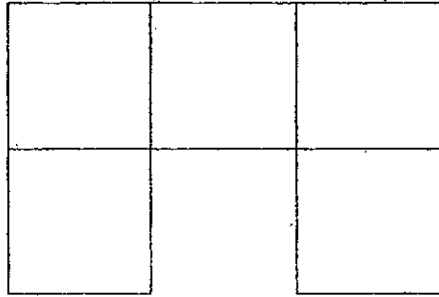
Answer : \_\_\_\_\_

33. The diagram below is made up of 3 straight lines AB, CD and EF crossing each other. Given that  $\angle y$  is  $75^\circ$ , find  $\angle x$ .



Answer : \_\_\_\_\_

- 34 The figure below is made up of 5 identical squares. The perimeter of the figure is 72 cm. What is the area of the figure?



Answer : \_\_\_\_\_ cm<sup>2</sup>

35. Measure and write down the size of  $\angle x$ .



Answer : \_\_\_\_\_ °

**SECTION C - Problem Sums (30 Marks)**

For each question from 36 to 43, show your working and mathematical statements clearly in the space below each question. Write your answer in the answer space provided. Give your answers in the units stated and in its simplest form whenever possible. Marks awarded are shown in the brackets [ ].

36. Reeve, Simon and Tommy collected some toy cars. Reeve had five times as many toy cars as Tommy. Simon had twice as many toy cars as Tommy. If Reeve collected 3108 more toy cars than Simon, how many toy cars did the 3 boys collect in all?

Answer: \_\_\_\_\_ [ 3 ]

37. Derek and Mark had the same number of cards at first. After Derek had bought another 495 cards and Mark lost 51 of his cards, Derek had four times as many cards as Mark. How many cards did each of them have at first?

Answer: \_\_\_\_\_ [ 3 ]

38. There are 732 participants in Team A and 810 participants in Team B at a dance competition. The number of males in both teams is the same. Given that the number of females in Team B is thrice that of Team A, find the total number of male participants in the competition.

Answer: \_\_\_\_\_ [ 4 ]

39. Ethan spent  $\frac{2}{5}$  of his pocket money on food,  $\frac{1}{3}$  of the remaining money on transportation and saved the rest of it.

a) What fraction of his money did he save?

b) If he saved \$130 how much money did Ethan have at first?

Answer: (a) \_\_\_\_\_ [ 2 ]

(b) \_\_\_\_\_ [ 2 ]

40. An equal number of boys and girls sat for an examination in a hall. After an hour later,  $\frac{3}{4}$  of the boys and  $\frac{3}{7}$  of the girls left the hall. If 32 girls remained in the hall, how many boys left the hall?

Answer: \_\_\_\_\_ [ 4 ]



41. Kate and Ben went shopping. Kate spent  $\frac{3}{5}$  of her money and had \$54 left.

Ben spent  $\frac{4}{7}$  of his money and had the same amount of money left as Kate

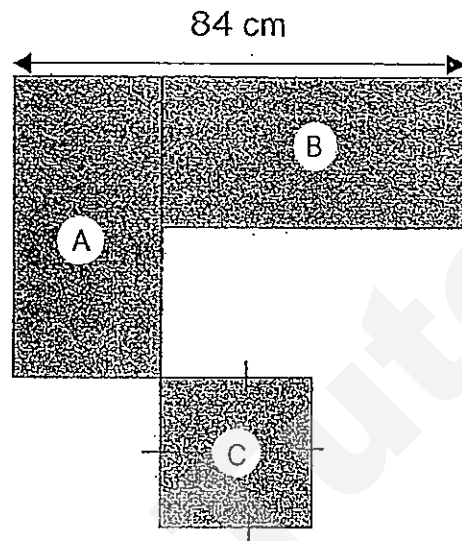
(a) How much money did Kate have at first?

(b) How much did Ben spend?

Answer: (a) \_\_\_\_\_ [ 2 ]

(b) \_\_\_\_\_ [ 2 ]

42. The figure below, which is not drawn to scale, is made up of Rectangle A, Rectangle B and Square C. Rectangle A and Rectangle B are identical. The length of Rectangle B is twice the length of Square C. The area of Square C is half the area of Rectangle B. Find the area of the figure.



Answer: \_\_\_\_\_ [4]

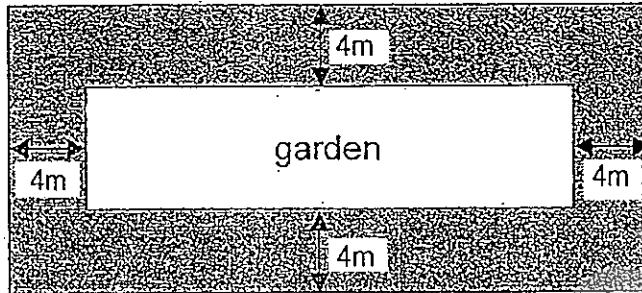
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43. Mr Avery had a rectangular garden with a perimeter of 256 m. The length of the garden is thrice its breadth. He decided to build a pebbled pathway with a width of 4 m around the garden. Find the area of the pebbled pathway



Answer: \_\_\_\_\_ [ 4 ]

End-of-Paper

16



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# ANSWER SHEET

## EXAM PAPER 2013

SCHOOL : ANGLE-CHINESE PRIMARY SCHOOL

LEVEL : PRIMARY 4

SUBJECT : MATHEMATICS

TERM : SA1

### Booklet A

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 2  | 3  | 4  | 3  | 4  | 2  | 1  | 3  | 1  | 1   | 3   | 3   | 2   | 2   | 1   |

16. 80035  
17. 48  
18. 3 and 19  
19. 9264  
20.  $1\frac{1}{3}$   
21.  $1\frac{1}{2}$ ,  $\frac{5}{8}$ ,  $\frac{3}{4}$   
22. 658  
23.  $\frac{2}{9}$  and  $\frac{1}{3}$   
24. 10248  
25. 63  
26. a  
27. 3  
28. 60  
29. 15  
30.  $\frac{5}{12}$   
31. 13  
32. AE  
33. 15  
34. 180  
35. 106  
36.  $3108 \div 3 = 1036$   
 $1036 \times 8 = 8288$   
37.  $546 \div 3 = 182$   
 $182 + 51 = 233$

38.  $810 - 732 = 78$

$78 / 2 = 39$

M:  $732 - 39 = 693$

$693 \times 2 = 1386$

39a).  $1 - 3/5 = 2/5$

b).  $130 / 2 = 62$

$65 \times 5 = 325$

40.  $8 \times 7 = 56$

$56 / 4 = 14$

$14 \times 3 = 42$

41.  $54 / 2 = 27$

$54 / 3 = 18$

a)  $27 \times 5 = 135$

b)  $18 \times 4 = 72$

42.  $84 / 3 = 28$

$28 \times 2 = 56$

$56 \times 28 = 1568$

$1568 \times 2 = 3136$

$28 \times 28 = 784$

$3136 + 784 = 3920$  cm square

43.  $256 / 8 = 32$

$32 \times 3 = 96$

$96 + 8 = 104$

$32 + 8 = 40$

$104 \times 40 = 4160$

$96 \times 32 = 3072$

$4160 - 3072 = 1088$  meter square



# AI TONG SCHOOL

2013

SEMESTRAL ASSESSMENT 1

PRIMARY 4

MATHEMATICS

DURATION : 1 h 45 min

DATE : 15 May 2013

### INSTRUCTIONS

Do not open the booklet until you are told to do so.

Follow all instructions.

Answer all questions.

Name : \_\_\_\_\_ ( )

Class : Primary 4 \_\_\_\_\_

Marks:

|           |    |
|-----------|----|
| Section A | 26 |
| Section B | 40 |
| Section C | 32 |
| Total     | 98 |

|                           |
|---------------------------|
| Parent's Signature: _____ |
| Date : _____              |



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**Section A**

Questions 1 to 14 carry 2 marks each.

For each question, four options are given. One of them is the correct answer.

Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet with a 2B pencil. (28 marks)

---

1 In the number 18 240, what is the place value of the digit 1?

- (1) tens
- (2) hundreds
- (3) thousands
- (4) ten thousands

2 What is the sum of the first 4 multiples of 3?

- (1) 30
- (2) 24
- (3) 12
- (4) 7

3 Which of the following is a common factor of 18 and 42?

- (1) 9
- (2) 8
- (3) 6
- (4) 4

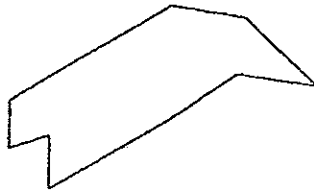
4. How many pairs of parallel lines are there in the figure below?

(1) 1

(2) 2

(3) 3

(4) 4



5. What is the sum of 10 hundreds, 4 tens and 2 ones?

(1) 10 420

(2) 10 042

(3) 1042

(4) 142

6. Which of the following numbers is 5400 when rounded off to the nearest hundred?

(1) 5291

(2) 5309

(3) 5363

(4) 5450

7. When a number is divided by 9, it has a quotient of 702 and a remainder of 5.  
What is the number?

(1) 73

(2) 83

(3) 6313

(4) 6323

- 8 Mary used  $\frac{2}{5}$  kg of flour to bake a cake and  $1\frac{3}{10}$  kg of flour to bake some cookies. How much flour did she use altogether?

- (1)  $\frac{9}{10}$  kg  
(2)  $1\frac{1}{2}$  kg  
(3)  $1\frac{1}{3}$  kg  
(4)  $1\frac{7}{10}$  kg

- 9 What is the  $\frac{3}{7} \times 15$ ?

- (1)  $\frac{5}{7}$   
(2)  $2\frac{1}{9}$   
(3)  $6\frac{3}{7}$   
(4)  $15\frac{3}{7}$

- 10 Mrs Lim had \$99. She spent  $\frac{1}{3}$  of it on a blouse and  $\frac{2}{9}$  of it on a skirt. How much did she spend altogether?

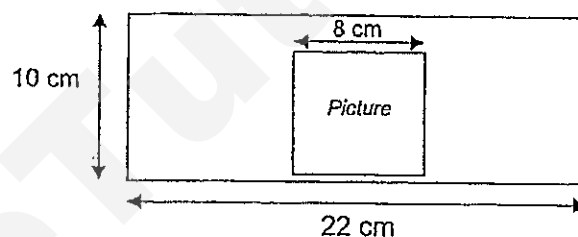
- (1) \$55  
(2) \$22  
(3) \$33  
(4) \$44

- 11 There were 32 girls and 10 boys in a class.  $\frac{1}{2}$  of the girls and  $\frac{2}{5}$  of the boys took part in a competition. How many pupils in this class did not take part in the competition?

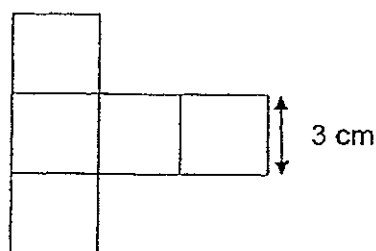
- (1) 24
- (2) 22
- (3) 20
- (4) 18

- 12 A 8-cm square picture is pasted on a blank rectangular cardboard measuring 22 cm by 10 cm. Find the area that is not covered by the picture.

- (1) 284 cm<sup>2</sup>
- (2) 220 cm<sup>2</sup>
- (3) 156 cm<sup>2</sup>
- (4) 64 cm<sup>2</sup>



- 13 A piece of wire is bent to construct identical square as shown in the figure below. What is the length of wire used?



- (1) 15 cm
- (2) 36 cm
- (3) 48 cm
- (4) 60 cm

14 An ipad and 2 printers cost \$1440. The ipad cost thrice as much as the printer. Find the cost of the ipad.

(1) \$288

(2) \$360

(3) \$576

(4) \$864

**Section B**

Questions 15 to 34 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (40 marks)

15 Write twenty thousand, one hundred and three in numerals.

Ans: \_\_\_\_\_

16  $12 \times 123 = 14 \times 123 - \square$

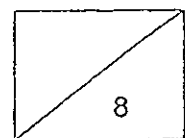
Ans: \_\_\_\_\_

17 What is the smallest 2-digit number that can be divisible by both 4 and 5?

Ans: \_\_\_\_\_

18 What is the product of 34 and 12?

Ans: \_\_\_\_\_



19 Find the missing value in  $3\frac{3}{4} = 1 + 1 + \frac{\boxed{?}}{4}$

Ans: \_\_\_\_\_

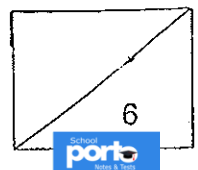
20 Arrange the fractions in descending order.

$$\frac{11}{4}, \frac{1}{2}, \frac{7}{8}, \frac{13}{8}$$

Ans: \_\_\_\_\_

21 Mrs Lim had a ribbon measuring 882 cm. She cut it into 9 equal pieces. She gave a piece each to her 8 friends. She used 35 cm of the last piece to tie a parcel. What was the length of ribbon left?

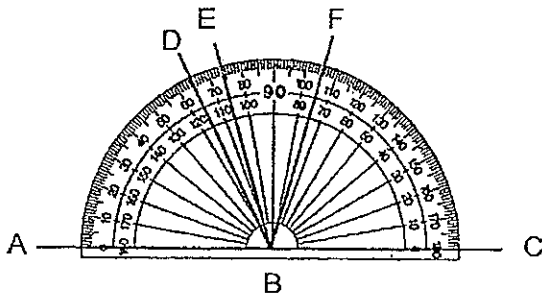
Ans: \_\_\_\_\_ cm



- 22 Some children were playing in the school field.  $\frac{2}{3}$  of them were girls. There were 14 boys. How many girls were there?

Ans: \_\_\_\_\_

- 23 Name the correct angle that is  $75^\circ$ .



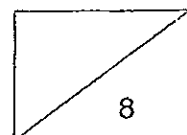
Ans:  $\angle$  \_\_\_\_\_

- 24 Sharon is 8 years old now. Her father is 6 times her age. What was their total age last year?

Ans: \_\_\_\_\_ years old

- 25 A mini-van can hold 7 passengers. How many mini-vans will Mr Lee need to transport all 145 tourists to the hotel?

Ans: \_\_\_\_\_

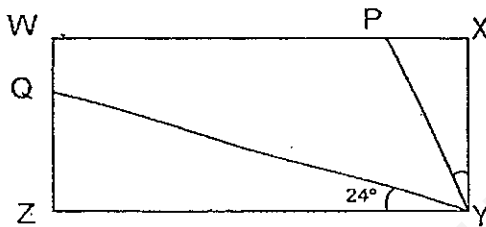




- 26 Mr Tan has a number lock for his office. The number lock uses only 3 digits : 4, 6, 8. To unlock the office, the first digit must be bigger than the second digit. How many possible combination(s) can Mr Tan use to unlock his office?

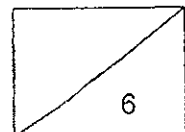
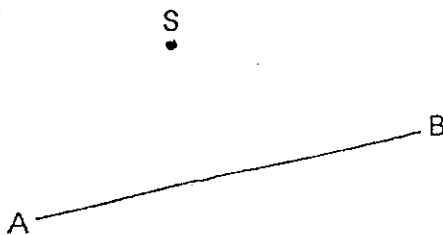
Ans: \_\_\_\_\_

- 27 The figure below is not drawn to scale.  $\angle WXYZ$  is a rectangle.  $\angle QYZ$  is  $24^\circ$ .  $\angle QYP$  is twice of  $\angle PYX$ . Find the value of  $\angle PYX$ .

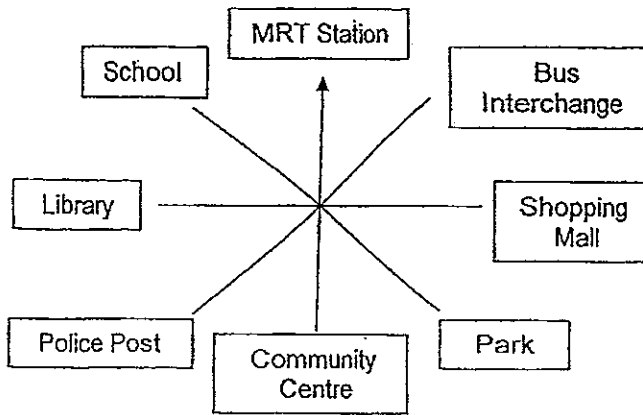


Ans: \_\_\_\_\_<sup>o</sup>

- 28 In the space below, draw a line ST which is perpendicular to AB.

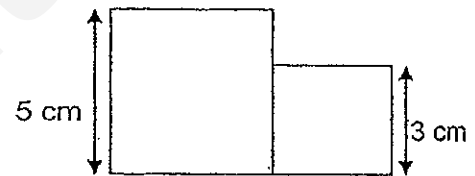


- 29 Ali made a  $270^\circ$  turn in a clockwise direction before ending up facing the Bus Interchange. Where was he facing at first?



Ans: \_\_\_\_\_

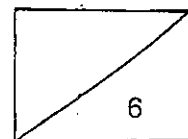
- 30 The figure is not drawn to scale. It is made up of two squares. What is the perimeter of the figure?



Ans: \_\_\_\_\_ cm

- 31 A wall in a room measures 4 m by 3 m. The cost of painting  $1 \text{ m}^2$  is \$35. How much will it cost to paint four such walls?

Ans: \$ \_\_\_\_\_



- 32 The area of the rectangle as shown below is  $112 \text{ cm}^2$ . If its breadth is  $7 \text{ cm}$ , find its perimeter.

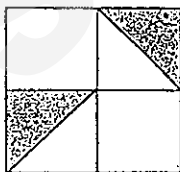


Ans: \_\_\_\_\_ cm

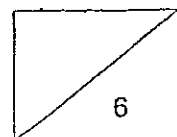
- 33 A rectangular cardboard measure  $22 \text{ cm}$  by  $16 \text{ cm}$ . Ali cut out  $4\text{-cm}$  squares from this cardboard for his project. What is the maximum number of squares he can obtain?

Ans: \_\_\_\_\_

- 34 The figure below is made up of 4 identical squares. The perimeter of this figure is  $48 \text{ cm}$ . Find the area of the shaded part.



Ans: \_\_\_\_\_  $\text{cm}^2$



**Section C**

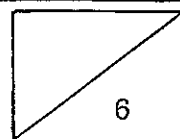
Questions 35 to 38 carry 3 marks each. Questions 39 to 43 carry 4 marks each. Show your working clearly in the space provided below each question and write your answers in the spaces provided. (32 marks)

- 35 Lily and Huixin had the same salary. After Lily spent \$840 and Huixin spent \$49, Huixin had 8 times as much money as Lily had left. How much money did Huixin have left?

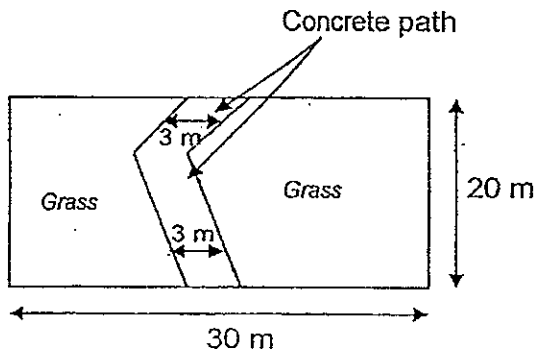
Ans: \_\_\_\_\_ [3]

- 36 Zhi Hao has 45 stickers and Aaron has 75 stickers. How many stickers must Zhi Hao give to Aaron so that Aaron has three times as many stickers as Zhi Hao?

Ans: \_\_\_\_\_ [3]

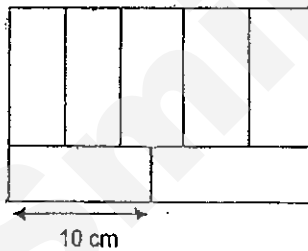


- 37 A concrete path of width 3 m cuts across a rectangular park. The remaining area is to be planted with grass. Find the area covered by grass.

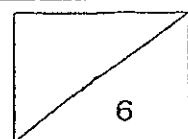


Ans: \_\_\_\_\_ [ 3 ]

- 38 The figure below is made up of 7 identical rectangles. The length of each rectangle is 10 cm. Find the perimeter of the figure.



Ans: \_\_\_\_\_ [ 3 ]



- 39 A pen and a notebook cost \$11. 3 pens and a notebook cost \$19. What is the cost of 4 pens and 3 notebooks?

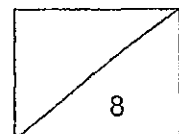
Ans : \_\_\_\_\_ [ 4 ]

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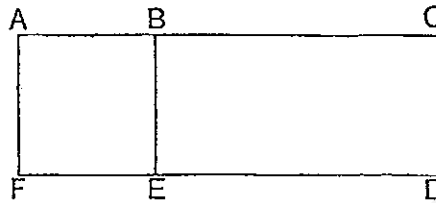
- 40 Siti has 336 beads.  $\frac{3}{4}$  of the beads are red and the rest are green and blue. The number of green beads is twice the number of blue beads.
- (a) How many blue beads does Siti have?
- (b) If she gives away  $\frac{1}{2}$  of her red beads, how many beads has she left?

Ans: \_\_\_\_\_ [ 4 ]

---

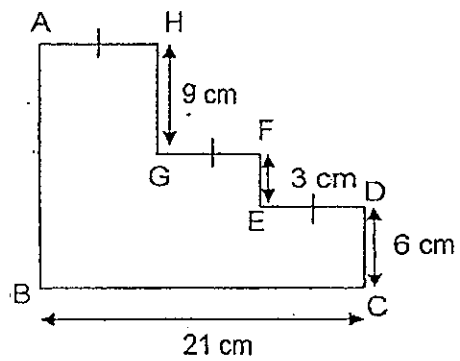


- 41 The figure below is made up of a square and a rectangle. The perimeter of the square is 28 cm. The perimeter of the figure is 52 cm.  
 (a) Find the length of ED.  
 (b) Find the area of the figure.

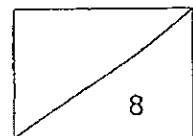


Ans: (a) \_\_\_\_\_ [2]  
 (b) \_\_\_\_\_ [2]

- 42 The figure below is made up of rectangles.  $BC = 21$  cm,  $CD = 6$  cm,  $EF = 3$  cm and  $GH = 9$  cm. Find the area of this figure.



Ans : \_\_\_\_\_ [4]



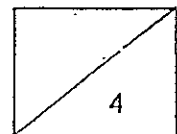
- 43 Jiale had \$120 more than Grace. When Jiale gave \$24 to Grace, Jiale had twice as much money as Grace. How much money did Jiale have at first?

Ans: \_\_\_\_\_ [4]

---

End-of-paper

Please check your work carefully.





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# ANSWER SHEET

**EXAM PAPER 2013**

**SCHOOL : AI TONG**

**SUBJECT : PRIMARY 4 MATHEMATICS**

**TERM : SA1**

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| 4  | 1  | 3  | 3  | 3  | 3  | 4  | 4  | 3  | 1   | 2   | 3   | -   | 4   |

Q15  
20103

Void

Q16  
246

Q17  
20

Q18  
408

Q19  
7

Q20  
 $1\frac{1}{4}$ ,  $1\frac{3}{8}$ ,  $\frac{7}{8}$ ,  $\frac{1}{2}$

Q21  
63

Q22  
28



Q23  
FBC

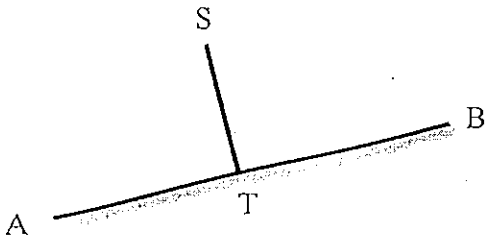
Q24  
54

Q25  
21

Q26  
3

Q27  
22

Q28



Q29  
Park

Q30  
26

Q31  
1,680

Q32  
46

Q33  
20

Q34  
 $36\text{cm}^2$

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**CATHOLIC HIGH SCHOOL  
MID-YEAR EXAMINATION 2013  
MATHEMATICS  
PRIMARY 4**

Name : \_\_\_\_\_ ( )

Class: Primary 4 \_\_\_\_\_

Date: 20 May 2013

Duration: 1 h 45 min

|             |     |
|-------------|-----|
| Section A   | 40  |
| Section B   | 40  |
| Section C   | 20  |
| Total Marks | 100 |

Parent's Signature: \_\_\_\_\_

There are 3 sections consisting of 19 pages in this paper.

Section A: Multiple-Choice Questions (MCQ)      20 x 2 marks

Section B: Open-Ended Questions                      20 x 2 marks

Section C: Story Sums                                      5 x 4 marks

**Section A: Multiple-Choice Questions (40 marks)**

Questions 1 to 20 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS). SHADE the oval completely. All diagrams are not drawn to scale.

1. In which of the following numbers, is the digit 4 in the hundreds place?

- (1) 27 564
- (2) 54 109
- (3) 63 422
- (4) 89 343

( )

2. 37 thousands and 59 tens is the same as \_\_\_\_\_.

- (1) 3 759
- (2) 37 059
- (3) 37 509
- (4) 37 590

( )

3. In which of the following are the numbers arranged from the smallest to the greatest?

- |     | (smallest) |   | (greatest)             |
|-----|------------|---|------------------------|
| (1) | 2680       | , | 2068 , 2608            |
| (2) | 2680       | , | 2608 , <del>2668</del> |
| (3) | 2068       | , | 2680 , 2608            |
| (4) | 2068       | , | 2608 , 2680            |

( )

4.  $3\frac{2}{9} = \frac{\square}{18}$

Find the missing numerator.

- (1) 15
- (2) 29
- (3) 58
- (4) 98

( )

5. Find the value of  $\frac{5}{8} - \frac{1}{3}$ .

(1)  $\frac{4}{5}$

(2)  $\frac{3}{15}$

(3)  $\frac{7}{24}$

(4)  $\frac{23}{24}$

( )

---

6. Which of the following numbers when rounded off to the nearest hundred becomes 4300?

(1) 4229

(2) 4292

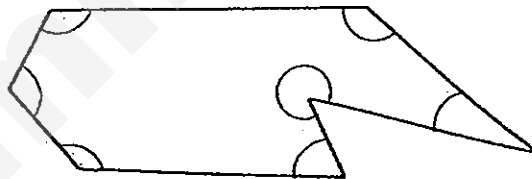
(3) 4359

(4) 4392

( )

---

7. In the figure below, how many angles are more than  $90^\circ$ ?



(1) 5

(2) 6

(3) 7

(4) 4

( )

8. A number gives a quotient of 94 and a remainder of 3 when it is divided by 6.  
Which of the following is this number?

- (1) 112
- (2) 288
- (3) 567
- (4) 582

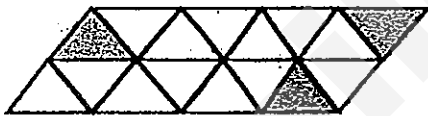
( )

9. How many quarters are there in  $2\frac{1}{2}$  turns?

- (1) 16
- (2) 10
- (3) 3
- (4) 5

( )

10. The figure below is made up of 16 identical triangles. How many more triangles must be shaded so that  $\frac{3}{4}$  of the figure is shaded?



- (1) 8
- (2) 9
- (3) 10
- (4) 12

( )

11. A T-shirt costs \$18. A pair of shorts costs \$5 more than a T-shirt. A pair of shoes costs twice as much as the total cost of a T-shirt and a pair of shorts.  
How much does a pair of shoes cost?

- (1) \$36
- (2) \$41
- (3) \$62
- (4) \$82

( )

12. Adam had 75 stickers. He lost 40 stickers and sold some of them. The number of stickers he had left was  $\frac{1}{5}$  of what he had at first. How many stickers did he sell?

- (1) 15
- (2) 20
- (3) 35
- (4) 60

( )

---

13. Jim has some blue marbles, red marbles and yellow marbles. He has 64 more blue marbles than red marbles and 13 less blue marbles than yellow marbles. He has 351 yellow marbles. How many red marbles does he have?

- (1) 274
- (2) 290
- (3) 338
- (4) 415

( )

---

14. What is  $\frac{1}{4}$  turn more than  $135^\circ$ ?

- (1)  $180^\circ$
- (2)  $225^\circ$
- (3)  $270^\circ$
- (4)  $315^\circ$

( )

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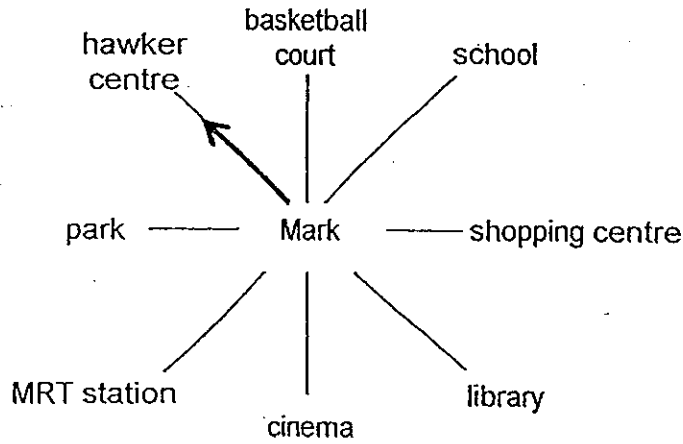
15. 2 televisions and 1 printer cost \$1754. Each television cost \$184 more than a printer. How much does the printer cost?

- (1) \$462
- (2) \$690
- (3) \$787
- (4) \$877

( )



16.



Mark is facing the hawker centre. After he turns  $270^\circ$  anti-clockwise, where will he face?

- (1) school
- (2) MRT station
- (3) basketball court
- (4) shopping centre

( )

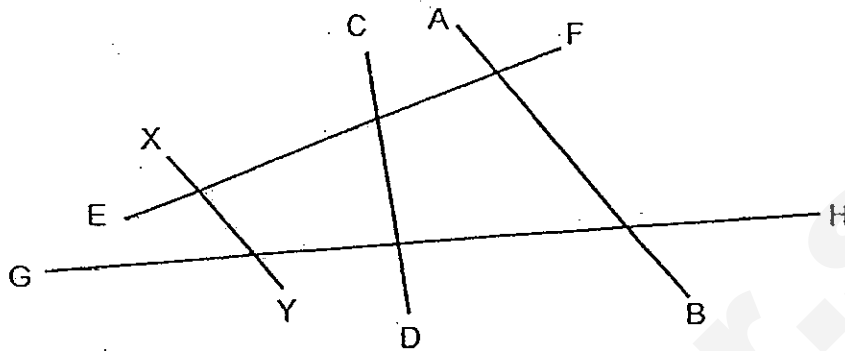
17. Mike ran  $\frac{4}{9}$  km on Monday. He ran  $\frac{5}{6}$  km more on Tuesday than on Monday.

What was the total distance he ran on the 2 days?

- (1)  $1\frac{5}{18}$  km
- (2)  $1\frac{13}{18}$  km
- (3)  $2\frac{1}{9}$  km
- (4)  $2\frac{4}{9}$  km

( )

18. The figure below is made up of straight lines.



Which line is parallel to XY?

- (1) EF
- (2) CD
- (3) AB
- (4) GH

( )

---

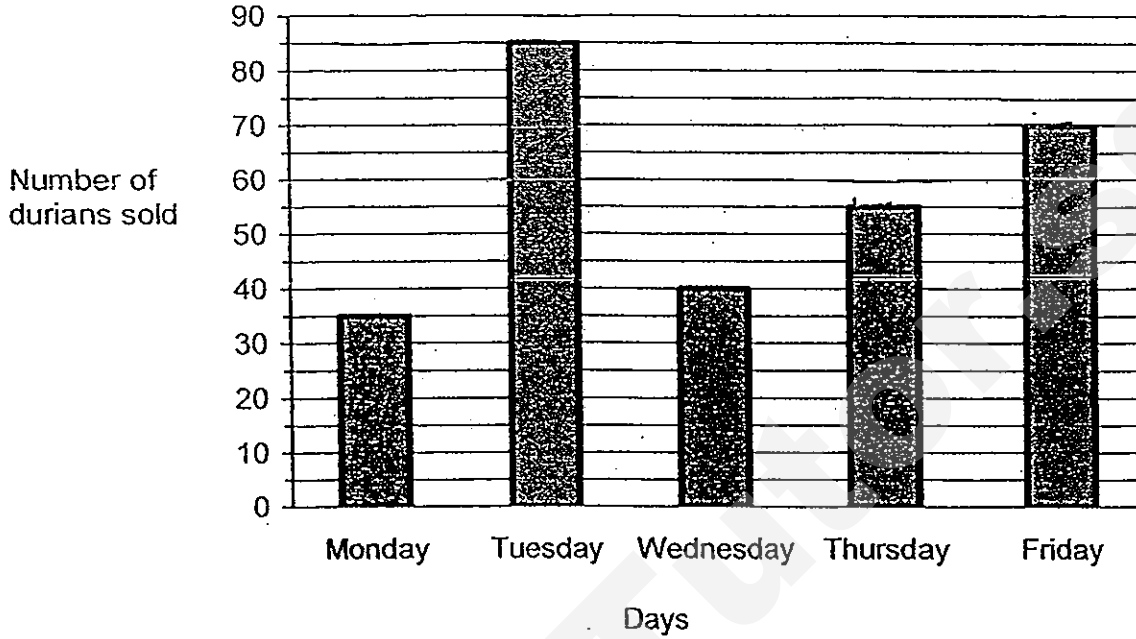
19. Joshua had 72 stamps. He gave  $\frac{1}{6}$  of the stamps to a friend and  $\frac{1}{3}$  of the stamps to his brother. How many stamps did he have left?

- (1) 12
- (2) 16
- (3) 24
- (4) 36

( )

Study the graph carefully and answer question 20.

The bar graph below shows the number of durians sold at a fruit shop from Monday to Friday.



20. What is the total number of durians sold in the 5 days?

- (1) 285
- (2) 295
- (3) 305
- (4) 315

( )

**Section B: Short Answer Questions (40 marks)**

Question 21 to 40 carries 2 marks each. Write your answer in the blank provided.

21. List the common factors of 32 and 56.

Ans: \_\_\_\_\_

Do not  
write in  
this space.

22. Form the largest possible odd number with all the digits.  
Each digit can only be used once.

3 9 8 0

Ans: \_\_\_\_\_

23. Find the value in the blank.

$$48 \times 32 = (48 \times 30) + \underline{\hspace{2cm}}$$

Ans: \_\_\_\_\_

24. Arrange the following fractions in descending order.

$\frac{3}{11}$  ,  $\frac{1}{3}$  ,  $\frac{3}{5}$

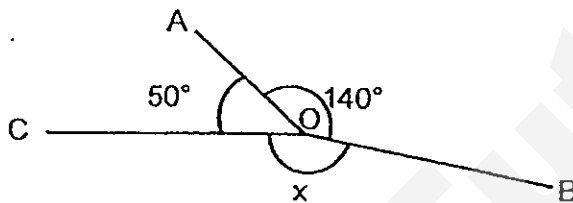
Ans: \_\_\_\_\_

25. Find the value of  $3\frac{3}{5} - 1\frac{2}{7}$ .

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write in  
this space.

Ans: \_\_\_\_\_

26. AO, BO and CO are straight lines meeting at point O. Find  $\angle x$ .



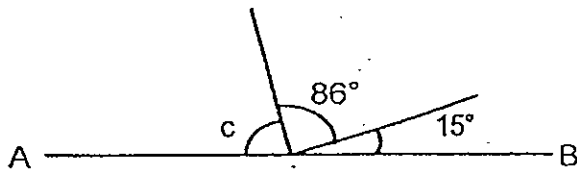
Ans: \_\_\_\_\_°

27. A bottle contains  $\frac{1}{9}$  l of water. It contains  $\frac{3}{4}$  l less water than a pail. How much water does the pail contain?  
(Express your answer as fraction in the simplest form.)

Ans: \_\_\_\_\_ l

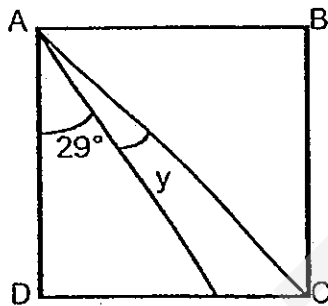
Do not write in this space.

28. Line AB is a straight line. Find  $\angle c$ .



Ans: \_\_\_\_\_°

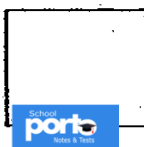
29. ABCD is a square. Find  $\angle y$ .



Ans: \_\_\_\_\_°

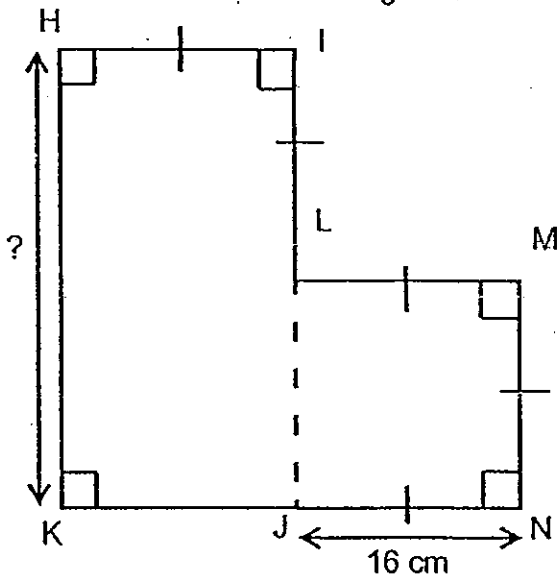
30. A shopkeeper bought 420 boxes of chocolates. There were 15 chocolates in each box. He repacked all the chocolates into packets of 9 chocolates each. How many packets of chocolates were there?

Ans: \_\_\_\_\_



Do not  
write in  
this space.

31. The figure HILMNJK is made up of a square LMNJ and a rectangle HIJK.  
Find the unknown length HK.



Ans: \_\_\_\_\_ cm

32. Thomas baked some buns. He gave  $\frac{2}{5}$  of the buns away and sold the remaining 84 buns. How many buns did he have at first?

Ans: \_\_\_\_\_

33. Sam has  $\frac{3}{7}$  as many erasers as Tom. They have a total of 130 erasers.  
How many more erasers does Tom have than Sam?

Ans: \_\_\_\_\_

34. A tennis racket cost twice as much as a soccer ball. A jersey cost thrice as much as a tennis racket. The total cost for the 3 items was \$342.  
What was the cost of the soccer ball?

Do not  
write in this  
space

Ans: \$ \_\_\_\_\_

35. There are 105 children at a class party.  $\frac{1}{3}$  of the number of girls is equal to  $\frac{1}{2}$  of the number of boys. How many boys are there at the party?

Ans: \_\_\_\_\_

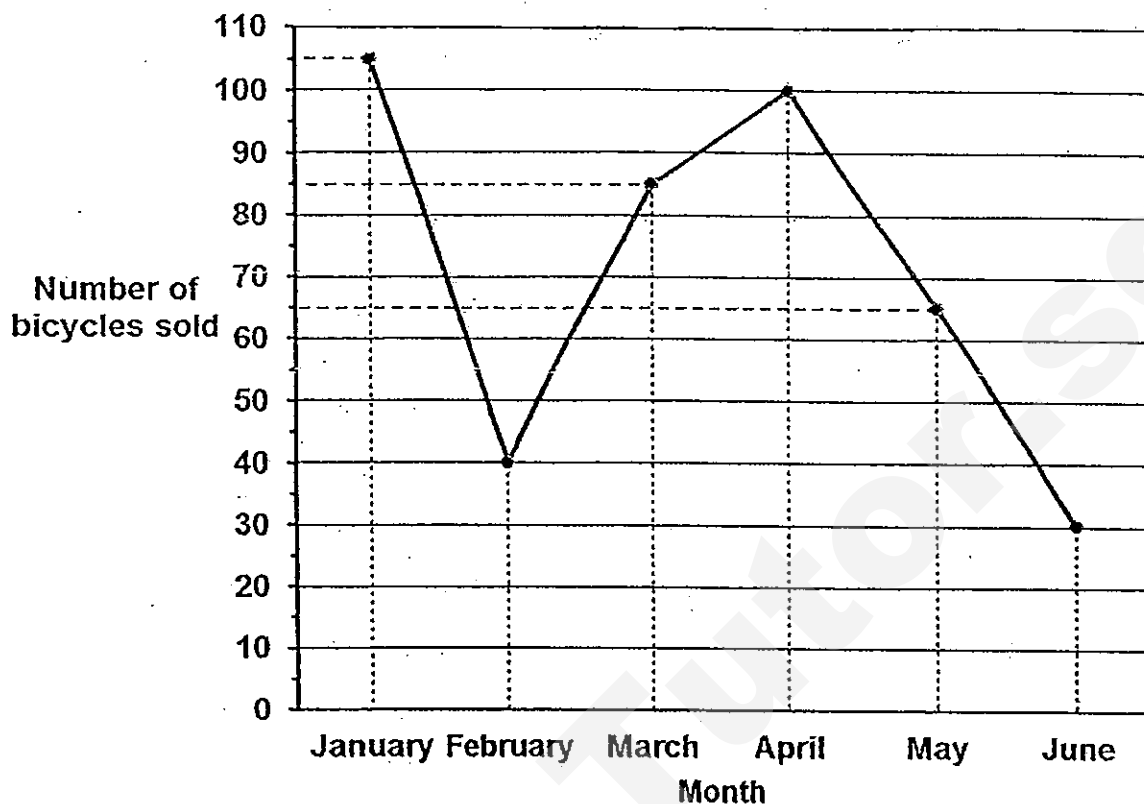
36. Rick and Mary had an equal number of stickers at first. After Rick gave away 155 stickers and Mary lost 15 stickers, Mary had 6 times as many stickers as Rick. How many stickers did Rick have in the end?

Ans: \_\_\_\_\_



Study the graph carefully and answer questions 37 and 38.  
The graph shows the number of bicycles sold from January to June.

Do not  
write in this  
space



37. What is the greatest decrease in sale of bicycles from one month to the next?

Ans: \_\_\_\_\_

38. Express the least number of bicycles sold as a fraction of the most number of bicycles sold. Express the answer in the simplest form.

Ans: \_\_\_\_\_



39. Fabian had thrice as much money as Tim at first. After Fabian spent \$167 and Tim spent \$25, both of them had an equal amount of money left.  
How much did Tim have at first?

Do not  
write in  
this space.

Ans: \$ \_\_\_\_\_

40. Barry and Carl had an equal number of marbles at first. After Barry gave 52 marbles to Carl, Barry had  $\frac{1}{5}$  as many marbles as Carl. How many marbles did Barry have in the end?

Ans: \_\_\_\_\_

**Section C: Long Answer Questions (20 marks)**

Question 41 to 45 carries 4 marks each. Write your answer in the blank provided. Show your workings clearly.

41. Addison, Bryan and Calvin share some cards. Addison and Bryan have 4059 cards. Addison and Calvin have 3135 cards. Bryan has 4 times as many cards as Calvin. Calvin packs his cards into bundles of 7 cards each. How many bundles does he have?

Do not write in this space.

Ans: \_\_\_\_\_ [4]

42. There are some apples and oranges in a box. The number of oranges is  $\frac{2}{5}$  the number of the apples. There are 156 more apples than oranges.  $\frac{3}{4}$  of the fruits in the box are rotten. How many fruits are not rotten?

Do not write in this space.

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Ans: \_\_\_\_\_ [4]

43. Dan, Eve and Frank shared the cost of a present. Dan paid \$34 more than Eve and Frank paid \$53 less than Dan. The total cost of the present was \$207.  
How much did Eve pay for the present?

Do not  
write in  
this space.

Ans: \_\_\_\_\_ [4]

44. Jeremy was given some money to buy some notebooks. If he were to buy 18 notebooks, he would be short of \$4. If he were to buy 13 notebooks, he would have \$11 left. How much money was he given to buy notebooks?

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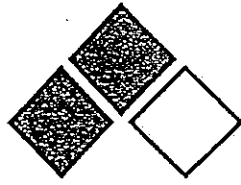
Ans: \_\_\_\_\_ [4]

45. The patterns below are made up of identical shaded and unshaded squares.

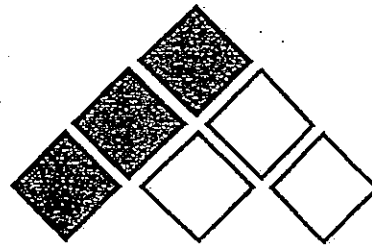
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Pattern 1



Pattern 2



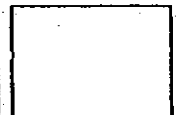
Pattern 3

- How many shaded squares are there in Pattern 4?
- How many unshaded squares are there in Pattern 4?
- Find the total number of squares in Pattern 10.

Ans: a) \_\_\_\_\_ [1]

b) \_\_\_\_\_ [1]

c) \_\_\_\_\_ [2]



**END OF PAPER.**  
Have you checked your work?

# ANSWER SHEET

**EXAM PAPER 2013**

**SCHOOL : CATHOLIC HIGH**

**SUBJECT : PRIMARY 4 MATHEMATICS**

**TERM : SA1**

|    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 | Q16 | Q17 |
| 3  | 4  | 4  | 3  | 3  | 2  | 1  | 3  | 2  | 2   | 4   | 2   | 1   | 2   | 1   | 1   | 2   |

|    |     |     |
|----|-----|-----|
| 18 | Q19 | Q20 |
| 3  | 4   | 1   |

- Q21) 1,2,4,8  
Q22) 9803  
Q23) 96  
Q24)  $\frac{3}{5}$   $\frac{1}{3}$   $\frac{3}{11}$   
Q25) 2  $\frac{11}{35}$   
Q26) 170  
Q27)  $\frac{31}{36}$   
Q28) 79  
Q29) 16  
Q30) 700  
Q31) 32  
Q32) 140  
Q33) 52  
Q34) 38  
Q35) 42  
Q36) 28  
Q37) 65  
Q38)  $\frac{2}{7}$   
Q39) 71  
Q40) 26



Q41)  $3u = 4059 - 3135 = 924$   
 $1u = 924/3 = 308$   
 $308/7 = 44$

Q42)  $3u = 156$   
 $1u = 156/3 = 52$   
 $7u = 52 \times 7 = 364$   
 $364/4 = 91$   
 $91 \times 3 = 273$   
 $364 - 273 = 91$

Q43)  $53 - 34 = 19$   
 $19 + 53 = 72$   
 $207 - 72 = 135$   
 $135/3 = 45$   
 $45 + 19 = 64$

Q44) 5 notebooks =  $11 + 4 = 15$   
1 notebook =  $15/5 = 3$   
13 notebooks =  $3 \times 13 = 39$   
 $39 + 11 = 50$

Q45a) 4

b) 6

c) pattern 10: shaded = 10

unshaded =  $1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9$   
 $= 45$

$45 + 10 = 55$

Name : \_\_\_\_\_ ( )

Class : Primary 4 \_\_\_\_\_

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



Primary 4 Mathematics

2013 Semestral Assessment One

Booklet A

13 May 2013

**TOTAL TIME FOR BOOKLETS A AND B: 1 HOUR 45 MINUTES**

Do not open the booklet until you are told to do so.  
Follow all instructions carefully.  
Answer all questions.

This booklet consists of 9 printed pages including the cover page.



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SECTION A: (20 x 2 marks)

For each question, four options are given. One of them is the correct answer. Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. Please use only 2B pencil and SHADE the oval completely.

1. 65 hundreds more than 15 003 is \_\_\_\_\_.

1) 15 068

2) 15 653

3) 21 503

4) 80 003

2. The value of the digit 2 in the difference between 85 300 and 24 090 is \_\_\_\_\_.

1) 20

2) 200

3) 2 000

4) 20 000

3. 3840 is 15 tens less than \_\_\_\_\_.

1) 3990

2) 3855

3) 3825

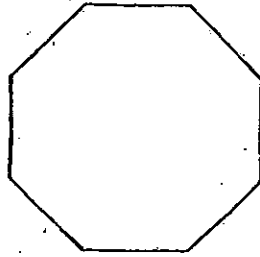
4) 3690



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4. How many pairs of parallel lines are there in the figure below?



1) 1

2) 2

3) 3

4) 4

5. Which one of the following is the first common multiple of 2 and 6?

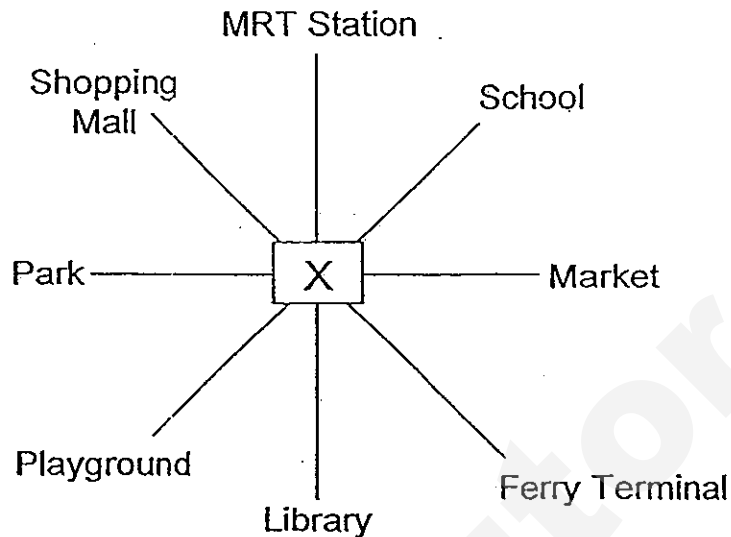
1) 1

2) 2

3) 6

4) 12

The figure below shows the different places in Rainbow City.  
Use the figure to answer questions 6 and 7.



6. Mr Thomas is standing at point X, facing the playground. He makes a  $\frac{3}{4}$  - turn to his left. He will face the \_\_\_\_\_.

- |                   |                |
|-------------------|----------------|
| 1) Ferry Terminal | 2) School      |
| 3) Shopping Mall  | 4) MRT Station |

7. Mr Thomas faces the library after making a  $135^\circ$  clockwise turn. Where was Mr Thomas facing before he made the turn?

- |                  |                |
|------------------|----------------|
| 1) Shopping Mall | 2) MRT Station |
| 3) Market        | 4) School      |

8. There are 306 bags of cookies. Each bag contains 59 cookies. How many cookies are there altogether?

1) 4 284

2) 4 424

3) 18 054

4) 18 644

9. Find the value of  $\frac{2}{3}$  of 24.

1) 10

2) 12

3) 14

4) 16

10. Amber bought 4536 balloons. She bought four times as many balloons as Bobby. How many balloons must Amber give to Bobby so that they have an equal number of balloons?

1) 3402

2) 2835

3) 1701

4) 1134



11. What is the missing number in the box?

$$2\frac{3}{12} = \frac{\boxed{?}}{4}$$

1) 1

2) 5

3) 9

4) 27

12. Joanne, Kelly and Wenny bought some cookies. Joanne bought  $\frac{1}{3}$  kg of cookies.

Kelly bought  $\frac{5}{6}$  kg of cookies and Wenny bought 1 kg of cookies. How much cookies did Joanne, Kelly and Wenny buy altogether?

1)  $2\frac{1}{6}$  kg

2)  $1\frac{2}{3}$  kg

3)  $1\frac{1}{3}$  kg

4)  $4\frac{1}{6}$  kg

13. There are 48 pupils in a class.  $\frac{3}{8}$  of them are boys. How many girls are there in the class?

1) 6

2) 16

3) 18

4) 30

14. In a school, there are 7 350 chairs when rounded off to the nearest ten. What is the smallest possible number of chairs in the school?

1) 7344

2) 7345

3) 7351

4) 7354

15. Xiao Jing had \$5 350. Kai En had \$3 710 more than Xiao Jing. How much money did they have altogether? Round off your answer to the nearest hundred dollars.

1) \$12 800

2) \$14 400

3) \$14 410

4) \$15 500

16. Using the digits 1, 0 and 4, what is the maximum number of ways to form 3-digit numbers?

1) 6

2) 5

3) 3

4) 4



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19. Mrs Lim's age is thrice of Hannah's age. Mr Tan is 3 years older than Mrs Lim. If their total age is 66 years old, how old is Mrs Lim?

- 1) 21
- 2) 23
- 3) 27
- 4) 30

20. The table below shows the number of tins of canned food donated by pupils in Primary 4A.

| Number of tins of canned food donated | 0 | 1  | 2  | 3 | 4 |
|---------------------------------------|---|----|----|---|---|
| Number of pupils                      | 4 | 13 | 10 | 7 | 5 |

How many tins of canned food did the pupils donate altogether?

- 1) 10
- 2) 39
- 3) 74
- 4) 78

End of Booklet A



Name : \_\_\_\_\_ (     )

Class : Primary 4 \_\_\_\_\_

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



Primary 4 Mathematics

2013 Semestral Assessment One

Booklet B

13 May 2013

\_\_\_\_\_  
Parent's / Guardian's Signature

|                 |       |
|-----------------|-------|
| Section A :     | / 40  |
| Section B & C : | / 60  |
| Total Marks:    | / 100 |

TOTAL TIME FOR BOOKLETS A AND B: 1 HOUR 45 MINUTES

This booklet consists of 14 printed pages including the cover page.



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**SECTION B: (20 x 2 marks)**

Write your answers in the blanks provided. Show all number statements and workings clearly.

Do not write in this space.

21. Write fourteen thousand and ninety-five in numerals.

Ans: \_\_\_\_\_

22. What is the sum of all the factors of 15?

Ans: \_\_\_\_\_

23. Using the digits given, form the smallest 5-digit even number.

0   5   4   1   7

Ans: \_\_\_\_\_



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24. In the product of 759 and 24, the digit 8 is in the \_\_\_\_\_ place:

Do not  
write in this  
space.

Ans: \_\_\_\_\_

25. Study the number pattern below.

4, 16, 36, 64, , 144, 196

What is the missing number in the box?

Ans: \_\_\_\_\_



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26. Round off each number to the nearest ten.

Then estimate the value of

$$1\ 563 + 697$$

Do not  
write in this  
space.

Ans: \_\_\_\_\_

27. The distance between Daniel's home and his office is 30 km. He drove 27 km before his car broke down. Then he walked  $\frac{7}{11}$  km. How far was Daniel away from his office? Express your answer in the simplest form.

Ans: \_\_\_\_\_ km

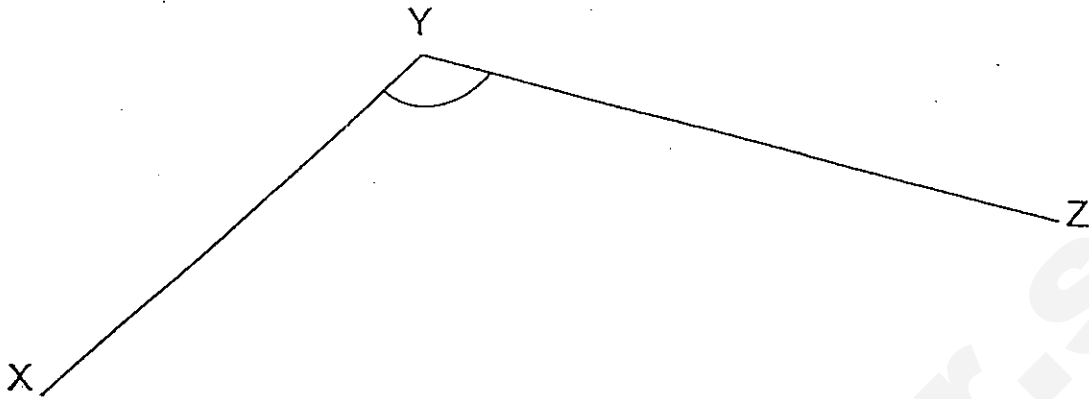
28. Mr Hong wants to buy a total of 6 381 pins. The pins are sold in packets of 6. What is the minimum number of packets of pins that Mr Hong needs to buy?

Ans: \_\_\_\_\_



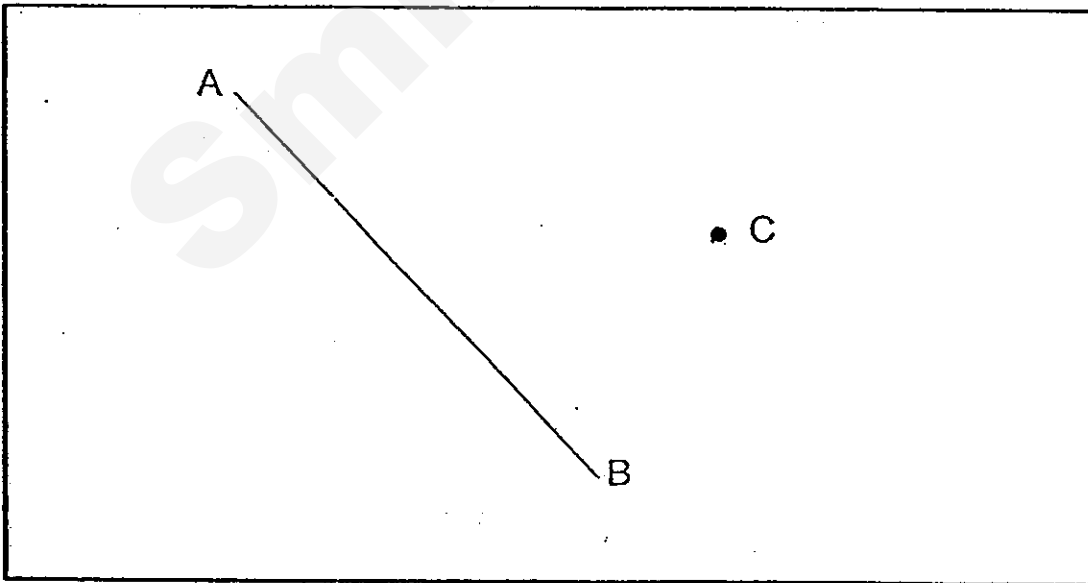
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29. Measure  $\angle XYZ$  with a protractor.



Ans : XYZ \_\_\_\_\_ °

30. In the box below, draw a line perpendicular to the line AB through the point C.

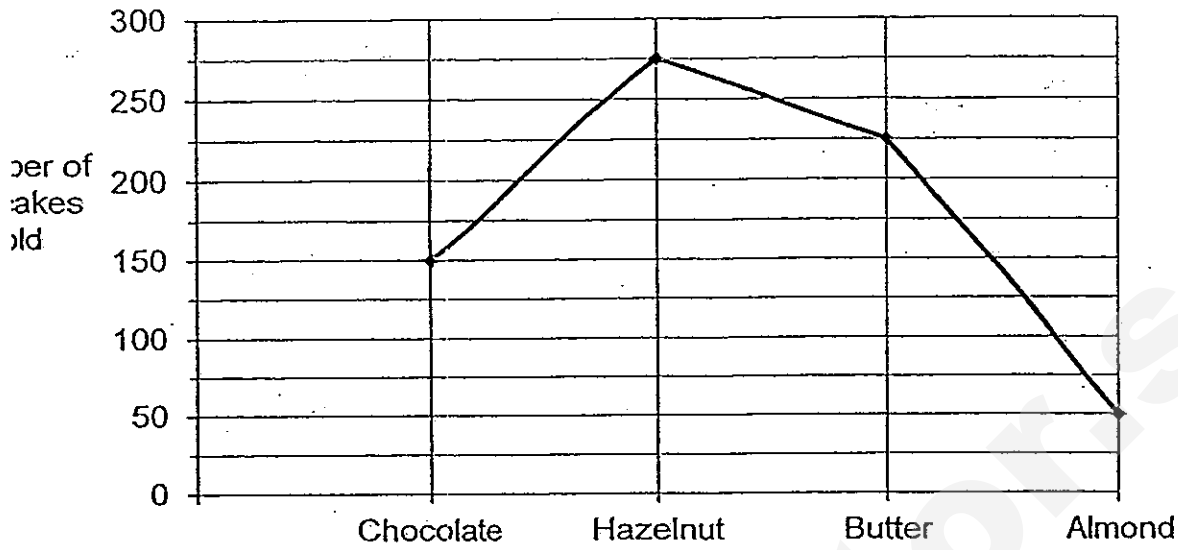


Do not write in this space.



The line graph shows the different types of cupcakes sold by Aunt May on Monday. Study the graph and answer questions 31 and 32.

Do not write in this space.



31. Aunt May sold  $\frac{5}{7}$  of the total number of cupcakes to Company A. The rest of the cupcakes were bought by Company B. How many cupcakes did Company B buy?

Ans: \_\_\_\_\_

32. Aunt May sold ~~the same number of~~ <sup>a total of 2346</sup> cupcakes on Tuesday and Wednesday. How many cupcakes were sold in all from Monday to Wednesday?

Ans: \_\_\_\_\_

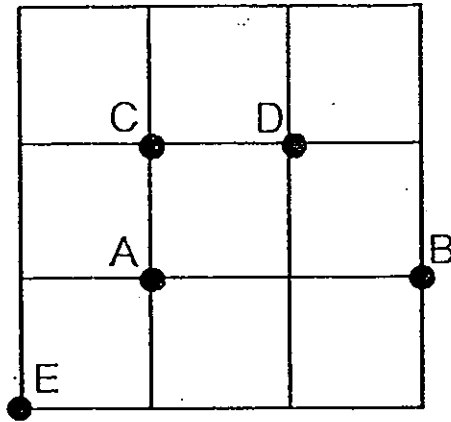


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33. Point A is north-east of Point \_\_\_\_\_.

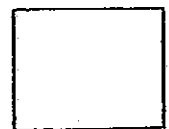


Do not write in this space.

Ans: Point \_\_\_\_\_

34. Vincent bought some red and blue pens. He bought 5 times as many red pens as blue pens. He bought 3380 more red pens than blue pens. How pens did he buy in all ?

Ans: \_\_\_\_\_



35.  $\frac{1}{6}$  of the people who attended a sports carnival were children. The rest were adults. If there were 200 adults, how many people attended the sports carnival altogether?

Do not  
write in this  
space.

Ans: \_\_\_\_\_

36. Jiang Han is thinking of a 2-digit number that is greater than 20. The number is also a common multiple of 2 and 7. What is the smallest possible number that Jiang Han is thinking of?

Ans: \_\_\_\_\_



37. There are 1572 apples in Bag A and Bag B. The number of apples in Bag A is  $\frac{1}{2}$  the number of apples in Bag B. There are 150 more apples in Bag C than in Bag A. How many apples are there in Bag C?

Do not  
write in this  
space.

Ans: \_\_\_\_\_

38. Miss Koh bought 16 bags of marbles. Each bag contained 37 marbles. She distributed all the marbles equally among 8 children. How many marbles did each child receive?

Ans: \_\_\_\_\_

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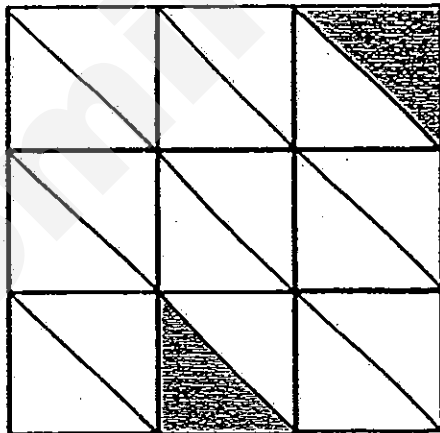


39. When a number is divided by 6, the remainder is 1. When the same number is divided by 5, it gives a remainder of 2. If the number is less than 40, what is the greatest possible number?

Do not write in this space.

Ans: \_\_\_\_\_

40. The figure below is made up of identical triangles. How many more triangles must be shaded such that  $\frac{4}{9}$  of the figure is shaded?



Ans: \_\_\_\_\_



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**SECTION C: (20 marks)**

Solve the following problems.

All mathematical workings and statements must be shown clearly.

Do not  
write in this  
space.

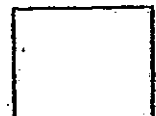
41. Billy's weekly pocket money is \$28. Every week, he spends  $\frac{1}{4}$  of it on drinks and \$15 on food. He saves the rest of his pocket money. How much does he save in a month? (Take 1 month = 4 weeks)

Ans: \_\_\_\_\_ (3m)

42. Mr Lim bought some durians and apples. He spent a total of \$200 on the fruits. If he spent the same amount of money on each type of fruit, how many apples did he buy?

| Fruits  | Price      |
|---------|------------|
| Durians | 3 for \$20 |
| Apples  | 7 for \$4  |

Ans: \_\_\_\_\_ (3m)



43. There were four times as many boys as girls at a party. After 105 boys left the party, there were twice as many girls as boys left. How many children were there altogether at first?

Do not write in this space.

Ans: \_\_\_\_\_ (3m)

44. Seok Min used  $\frac{1}{5}$  of a roll of ribbon to tie a present. Then she used another  $\frac{1}{4}$  of the ribbon to tie a box. She was left with 440 cm of ribbon. What was the length of the roll of ribbon?

Ans: \_\_\_\_\_ (3m)



45. A basket containing 10 identical books has a mass of 4335 g. The same basket containing 4 identical books, has a mass of 2235 g. What is the mass of the empty basket?

Do not write in this space.

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Ans: \_\_\_\_\_ (4m)



13.



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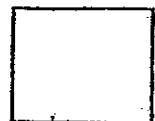


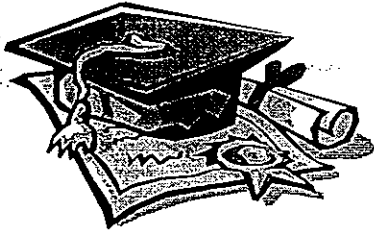
46. Michael ran a distance of 48 m. Sylvia ran  $\frac{3}{4}$  of the distance that Michael ran. Chloe ran 5 km more than Sylvia. Find the total distance that Michael, Sylvia and Chloe ran?

Do not write in this space.

Ans: \_\_\_\_\_ (4m)

————— End of Paper —————





# ANSWER SHEET

**EXAM PAPER 2013**

**SCHOOL : CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)**

**SUBJECT : PRIMARY 4 MATHS**

**TERM : SA1**

|    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 | Q16 | Q17 |
| 3  | 2  | 1  | 4  | 3  | 3  | 4  | 3  | 4  | 3   | 3   | 1   | 4   | 2   | 2   | 4   | 4   |

|     |     |     |
|-----|-----|-----|
| Q18 | Q19 | Q20 |
| 1   | 3   | 3   |

Section B

Q21) 14095

Q22) 24

Q23) 10574

Q24) Thousands

Q25) 100

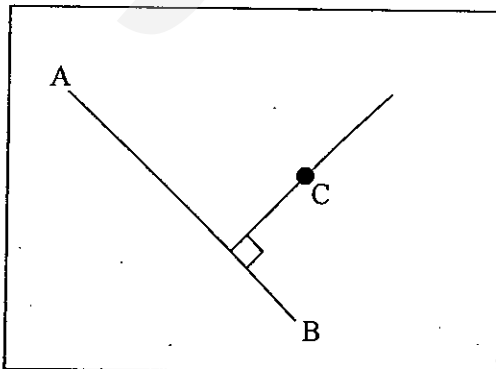
Q26) 2260

Q27) 3km

Q28) 1064 packets

Q29)  $124^\circ$

Q30)



- Q31) 200 cupcakes  
 Q32) 3046 cupcakes  
 Q33) E  
 Q34) 5070 pens  
 Q35) 240 people  
 Q36) 28  
 Q37) 674  
 Q38) 74 marbles  
 Q39) 37  
 Q40) 6 triangles

Section C

- Q41)  $4/4 \rightarrow 28$   
 $1/4 \rightarrow 28 \div 4 = 7$   
 $28 - 7 = 21$   
 $21 - 15 = 6$   
 $6 \times 4 = \$24$   
 He saves \$24 in a month

Q42)

| No of durians     | Amount paid              | No of apples        | Amount paid              | Total | Check |
|-------------------|--------------------------|---------------------|--------------------------|-------|-------|
| $5 \times 3 = 15$ | $20 \times 5 =$<br>\$100 | $7 \times 15 = 175$ | $4 \times 25 =$<br>\$100 | \$200 | ✓     |

He bought 175 apples

- Q43)  $7u \rightarrow 105$   
 $1u \rightarrow 105 \div 7 = 15$   
 $10u \rightarrow 150$   
 There were 150 children at first

- Q44)  $1/5 + 1/4 = 9/20$   
 $20/20 - 9/20 = 11/20$   
 $11/20 \rightarrow 440$   
 $1/20 \rightarrow 440 \div 11 = 40$   
 $20/20 \rightarrow 40 \times 20 = 800$   
 The length of the ribbon was 800cm.

Q45)  $6B \rightarrow 4335 - 2235 = 2100$

$1B \rightarrow 2100 \div 6 = 350$

$4B \rightarrow 350 \times 4 = 1400$

$1 \text{ Basket} \rightarrow 2235 - 1400 = 835$

The mass of the empty basket is 835kg.

Q46)  $M \rightarrow 48\text{m}$

$S \rightarrow 48 \times \frac{3}{4} = 36\text{m}$

$C \rightarrow 36\text{m} + 5\text{km} = 5\text{km } 36\text{m}$

$\text{Total} \rightarrow 5\text{km } 36\text{m} + 36\text{m} + 48\text{m} = 5\text{km } 120\text{m}$

They ran a total distance of 5km.

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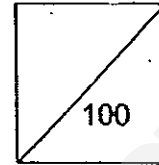


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HENRY PARK PRIMARY SCHOOL  
2013 SEMESTRAL EXAMINATION I  
MATHEMATICS  
PRIMARY 4



Name: \_\_\_\_\_ ( )

Parent's Signature

Class: Pr 4 \_\_\_\_\_

Duration of Paper: 1 h 45 min

**Section A : ( 15 x 2 marks = 30 marks )**

Read each question carefully. For each question, there are 4 options given.  
Choose the correct answer and write the number in the brackets provided.

1. In the number 15 320, which digit is in the tens place?

- (1) 1
- (2) 2
- (3) 3
- (4) 5

( )

2. What is the value of  $2970 \times 8$ ?

- (1) 16 260
- (2) 16 760
- (3) 23 560
- (4) 23 760

( )

3. How many fifths are there in  $3\frac{2}{5}$ ?
- (1) 7
  - (2) 10
  - (3) 15
  - (4) 17
4. The departure time for a Singapore Airlines flight to Tokyo is shown as 19 50 on the display board. How should this time be displayed in the 12-hour clock?
- (1) 7.50 a.m.
  - (2) 9.50 a.m.
  - (3) 7.50 p.m.
  - (4) 9.50 p.m.
5. A bus left Singapore at 7.35 pm and arrived at Kuala Lumpur 5 hours and 20 minutes later. What time did it arrive at Kuala Lumpur?
- (1) 2.15 a.m.
  - (2) 12.55 a.m.
  - (3) 12.55 p.m.
  - (4) 2.15 p.m.

6. Which one of the following letters has at least a pair of perpendicular lines?

(1) A

(2) F

(3) N

(4) X

7. Bala jogged around a rectangular field once.  
The length of the field measured 350 m.  
Bala jogged 1000 m in total.  
What was the breadth of the field?

(1) 150 m

(2) 300 m

(3) 325 m

(4) 650 m

8. In which of the following are the numbers arranged from the smallest to the greatest?

(1) 7094, 7904, 7409

(2) 7904, 7094, 7409

(3) 7409, 7904, 7094

(4) 7094, 7409, 7904



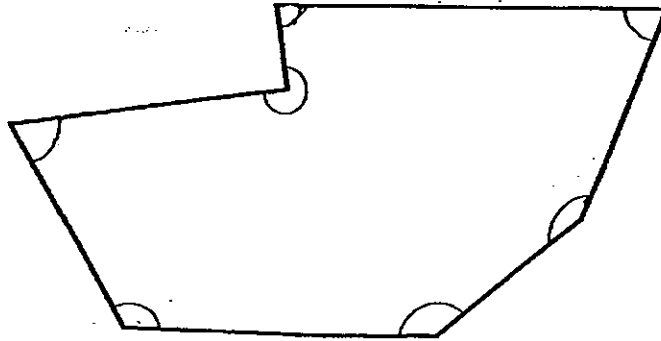
9. At a chess tournament, 178 chess sets were used.  
Each chess set contained 32 chess pieces.  
How many chess pieces were used in the tournament?

- (1) 210
- (2) 890
- (3) 4094
- (4) 5696

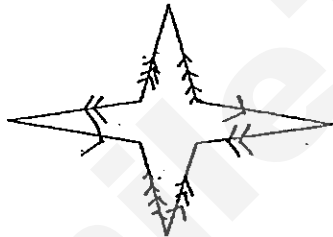
10. What is the value of  $\frac{2}{3} + \frac{1}{9}$ ?

- (1)  $\frac{1}{4}$
- (2)  $\frac{1}{3}$
- (3)  $\frac{5}{9}$
- (4)  $\frac{7}{9}$

11. In the figure shown below, how many of the marked angles are greater than a right angle?

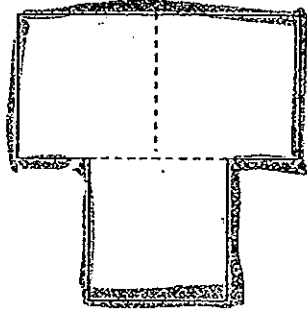


- (1) 1
  - (2) 2
  - (3) 3
  - (4) 4
12. The figure below is drawn to scale.  
How many pairs of parallel lines are there in the figure?



- (1) 1
- (2) 2
- (3) 3
- (4) 4

13. The figure below is made up of 3 identical squares.  
The area of the figure is  $108 \text{ cm}^2$ . Find the perimeter of the figure.



- (1) 36 cm  
(2) 42 cm  
(3) 48 cm  
(4) 54 cm

( )

14. Mr Lim sold 6850 seaweed rolls in 2 days. He sold 450 more seaweed rolls on the first day than on the second day. How many seaweed rolls did he sell on the first day?

- (1) 3200  
(2) 3425  
(3) 3650  
(4) 4100

( )

15. Ahmad bought  $3 \ell$  of orange juice. He drank 2 cups of orange juice. Each cup contained  $\frac{2}{9} \ell$  of orange juice. How much orange juice had Ahmad left?

- (1)  $\frac{5}{9} \ell$   
(2)  $\frac{2}{3} \ell$   
(3)  $2\frac{5}{9} \ell$   
(4)  $2\frac{7}{9} \ell$

Name: \_\_\_\_\_ (      )

Class: Pr 4 \_\_\_\_\_

|          |
|----------|
|          |
| 40<br>70 |

Section B : ( 20 x 2 marks = 40 marks )

Read the questions carefully and write the correct answer in the blanks provided.  
Show all workings clearly.

16. Write fourteen thousand and eighty in figures.

Answer : \_\_\_\_\_

17. Express  $\frac{32}{6}$  as a mixed number in its simplest form.

Answer : \_\_\_\_\_

18. How many seconds are there in 2 min 3 seconds?

Answer : \_\_\_\_\_

19. 150 participants took part in a Swimming Carnival. There were twice as many male participants as female participants. 45 male participants did not win any medals. How many male participants won medals?

Answer :

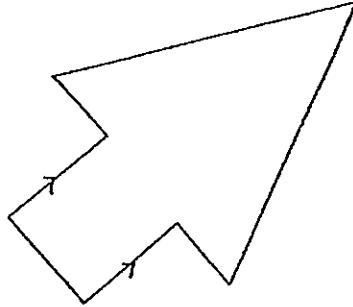
20. Minnie made a necklace using 21 blue beads and 14 red beads. What fraction of the beads on the necklace are red?

Answer : \_\_\_\_\_

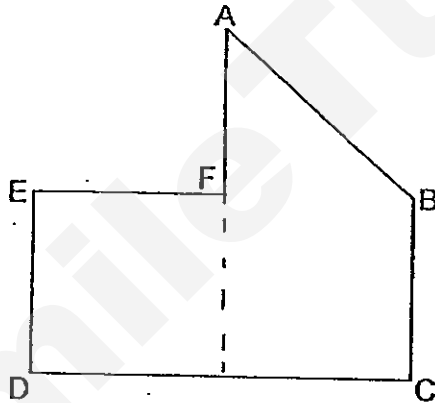
21. Given the line AB, draw and mark  $\angle CAB = 120^\circ$



22. In the figure below, use arrow heads to show a pair of parallel lines.

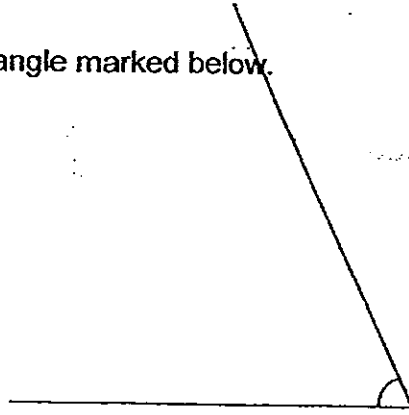


23. In the figure below, name the line which is both parallel to EF and perpendicular to AF.



Answer : \_\_\_\_\_

24. Measure the angle marked below.



Answer : \_\_\_\_\_

25. A square has an area of  $81 \text{ m}^2$ . Find the perimeter of the square.

Answer : \_\_\_\_\_ m

26. There are about 17 500 species of butterflies known in the world as of the year 2012. What is the greatest possible number of species of butterflies given that 17 500 is rounded off to the nearest hundred?

Answer : \_\_\_\_\_



27. Henry wanted to pay for a pair of shoes that costs more than \$31 but less than \$46. He found that he could pay for the pair of shoes exactly with only \$2 notes. He could also pay the pair of shoes exactly with only \$5 notes. What is the cost of the pair of shoes?

Answer : \$ \_\_\_\_\_

28. 3 and 6 are common factors of 36 and H. H is a 1-digit number, What is the number H?

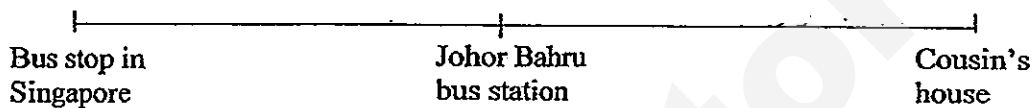
Answer \_\_\_\_\_

29. Gillian made 2543 cupcakes. She packed all the cupcakes into boxes of 6 with some left over. How many cupcakes were left over?

Answer : \_\_\_\_\_

30. The table below shows the schedule for the Singapore – Johor Bahru bus service.

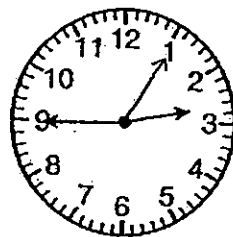
| Leaves Singapore | Arrives in Johor Bahru |
|------------------|------------------------|
| 12 55            | 13 35                  |
| 13 30            | 14 10                  |
| 14 05            | 14 45                  |
| 14 40            | 15 20                  |
| 15 15            | 15 55                  |



Anthony visited his cousin in Johor Bahru. He took a bus from Singapore to Johor Bahru bus station. It took him another 50 minutes to travel from the Johor Bahru bus station to his cousin's house. He arrived at his cousin's house at 16 15. Based on the schedule above, what was the latest time the bus Anthony was on left Singapore? State the time using 24-hour clock.

Answer : \_\_\_\_\_

31. The time shown on the clock is 20 minutes slower than the actual time. What is the actual time? State the time using 12-hour clock.

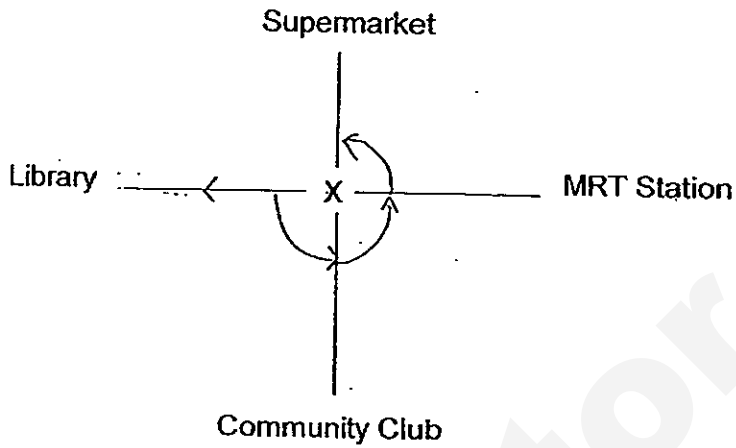


Afternoon

Answer : \_\_\_\_\_ p.m.

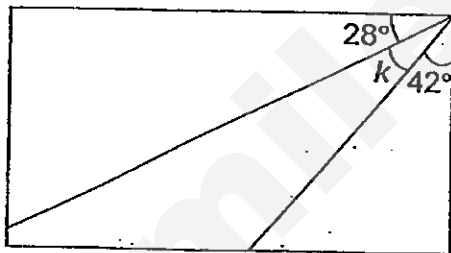
32. Brenda is standing at the point marked X. She is facing the Library.

Where would she face when she makes a  $\frac{3}{4}$  turn anti-clockwise?



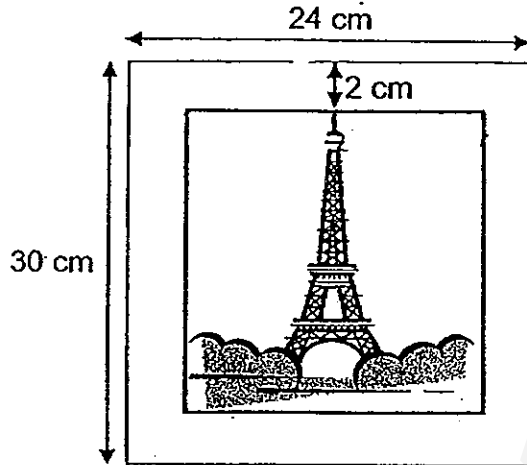
Answer : \_\_\_\_\_

33. The figure below shows a rectangle. Find  $\angle k$ .



Answer : \_\_\_\_\_

34. A cardboard of 30 cm by 24 cm was mounted with a picture, leaving a border of 2 cm around the picture. Find the area of the border.



Answer : \_\_\_\_\_ cm<sup>2</sup>

35. There were a total of 5630 tables and chairs to be moved from Henry Park Primary School's Mt Sinai site to the Holland Grove site. There were 30 more chairs than tables. How many tables were there?

Answer : \_\_\_\_\_

Section C : (30 marks )

Read the following problem sums carefully. You may draw models to help you.  
Show all workings clearly in the spaces provided.

36. A school bought 1025 cartons of drinks for a school event.  
Each carton contained 3 bottles of drinks. 689 cartons of drinks were distributed. How many bottles of drinks were left?

Working

Answer : \_\_\_\_\_ [3]

37. Muthu and Ahmad had a total of 1224 cards at first. After Muthu bought another 36 cards, Ahmad had 3 times as many cards as Muthu.  
How many cards did Muthu <sup>have</sup> at first?

Working

Answer : \_\_\_\_\_ [3]

38. Fatimah bought  $1\frac{1}{4}$  kg of rice and some flour. She bought  $\frac{1}{3}$  kg less flour than rice.

(a) How much flour did Fatimah buy?

(b) How much rice and flour did Fatimah buy altogether?

Express your answer in its simplest form.

Working

Answer: (a) \_\_\_\_\_ [2]

(b) \_\_\_\_\_ [2]

39. There are 38 chicken nuggets in Tray A and 18 chicken nuggets in Tray B. How many chicken nuggets must be moved from Tray A to Tray B so that Tray B will have 6 more chicken nuggets than Tray A?

Working

Answer ; \_\_\_\_\_ [4]

40. Jun Xiong had 147 marbles. He gave  $\frac{1}{7}$  of the marbles to his brother and 49 marbles to his best friend. How many marbles had he left?

Working

Answer: \_\_\_\_\_ [4]



41. The figure below is made up of 6 identical rectangles.  
The perimeter of the figure is 28 cm. Find the area of the figure.

Working

Answer : \_\_\_\_\_ [4]

42. There were some books in the class library.  $\frac{2}{9}$  of the library books were Malay books. The number of English books was thrice the number of the Malay books. The remaining 14 books were Chinese books.  
How many books were there in the class library?

Working

Answer \_\_\_\_\_ [4]

43. Mina had \$1879 and Deni had \$2134. After each of them spent the same amount of money, Deni had 4 times as much money as Mina.  
How much did Deni spend?

Working

Answer : \_\_\_\_\_ 1 [4]

-END OF PAPER-

Setters:  
Ms Eunice Chua  
Mrs Chia Seow Wei

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# ANSWER SHEET

EXAM PAPER 2013

SCHOOL : HENRY PARK

SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA1

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 2  | 4  | 4  | 3  | 2  | 2  | 1  | 4  | 4  | 4   | 4   | 4   | 3   | 3   | 3   |

Q16) 14 080

Q17)  $5 \frac{1}{3}$

Q18) 123

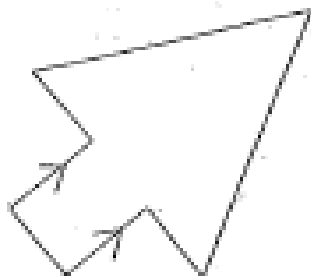
Q19) 55

Q20)  $\frac{2}{5}$

Q21) C



Q22)



- Q23) DC  
Q24) 65  
Q25) 36  
Q26) 17 549  
Q27) 40  
Q28) 6  
Q29) 5  
Q30) 14 40  
Q31) 3.05  
Q32) Supermarket  
Q33) 20  
Q34) 200  
Q35) 2800

Q36) Number of bottles of drinks in 1025 cartons  $\rightarrow 1025 \times 3 = 3075$   
Number of bottles of drinks distributed  $\rightarrow 689 \times 3 = 2067$   
Answer  $\rightarrow 3075 - 2067 = \underline{1008}$

Q37)  $4u \rightarrow 1224 + 36 = 1260$   
 $1u \rightarrow 1260/4 = 315$   
Muthu  $\rightarrow 315 - 36 = \underline{279}$

Q38a)  $1 \frac{1}{4} - \frac{1}{3} = \underline{\frac{11}{12}}$

Q38b)  $\frac{11}{12} + 1 \frac{1}{4} = \underline{2 \frac{1}{6}}$

Q39)  $38 + 18 = 56$   
 $56 - 6 = 50$   
 $50/2 = 25$   
 $38 - 25 = \underline{13}$

Q40)  $\frac{1}{7} \rightarrow 147/7 = 21$   
No. of marbles  $\rightarrow 21 + 49 = 70$   
Answer  $\rightarrow 147 - 70 = \underline{77}$

Q41)  $28/14 = 2$   
 $3 \times 2 = 6$   
 $4 \times 2 = 8$   
 $6 \times 8 = \underline{48}$

$$\begin{aligned} \text{Q42) } 3 \times \frac{2}{9} &= \frac{6}{9} \\ 1 - \frac{6}{9} - \frac{2}{9} &= \frac{1}{9} \\ 1u &= 14 \\ 9u &\rightarrow 14 \times 9 = \underline{126} \end{aligned}$$

$$\begin{aligned} \text{Q43) } \$2134 - \$1879 &= \$255 \\ \$255/3 &= \$85 \\ \$1879 - \$85 &= \underline{\$1794} \end{aligned}$$

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# METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887



## MID-YEAR EXAMINATION 2013 PRIMARY 4 MATHEMATICS BOOKLET A

Total Time: 1 h 45 minutes

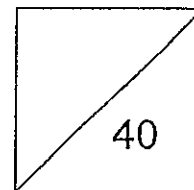
### INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.  
Follow all instructions carefully.  
Answer all questions.

Name: \_\_\_\_\_ ( )

Class: Primary 4. \_\_\_\_\_

Date: 14 MAY 2013



This booklet consists of 9 printed pages including this page.



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**Section A: (40 marks)**

For each of the following question, four options are given.

One of them is the correct answer.

Make your choice (1, 2, 3, 4). Shade the oval (1, 2, 3, 4) on the Optical Answer Sheet.

1. What is the value of the digit 8 in 58 946?
  - (1)  $8 \times 10$
  - (2)  $8 \times 100$
  - (3)  $80 \times 10$
  - (4)  $80 \times 100$
  
2. What is the difference between 89 402 and 968? Round off your answer to the nearest ten.
  - (1) 88 400
  - (2) 88 420
  - (3) 88 430
  - (4) 88 440
  
3. The numbers below are arranged in descending order. What are the missing numbers?  
31 459, 30 439, \_\_\_\_\_, \_\_\_\_\_, 27 379, 26 359
  - (1) 28 419, 27 399
  - (2) 28 399, 27 379
  - (3) 29 419, 28 399
  - (4) 29 399, 28 379

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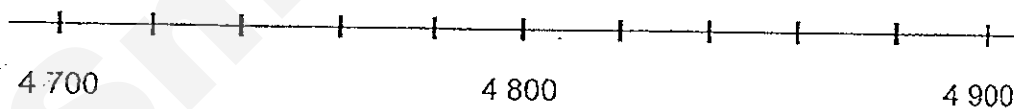
4. Which one of the following numbers is the second common multiple of 4 and 6?

- (1) 12
- (2) 20
- (3) 24
- (4) 48

5. Which one of the following are common factors of 18 and 24?

- (1) 1, 2, 3 and 4
- (2) 1, 2, 3 and 6
- (3) 1, 2, 4 and 6
- (4) 1, 3, 4 and 5

6. Which one of the following numbers is closest to 4 800 on a number line?



- (1) 4 799
- (2) 4 789
- (3) 4 849
- (4) 4 810

7. The chairs in a hall are arranged in rows. There are 24 rows. Each row has 75 chairs. How many chairs are there in the hall?

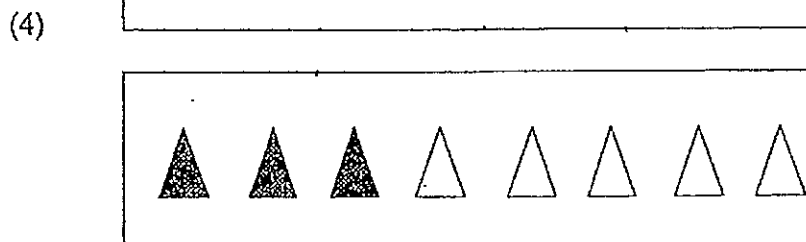
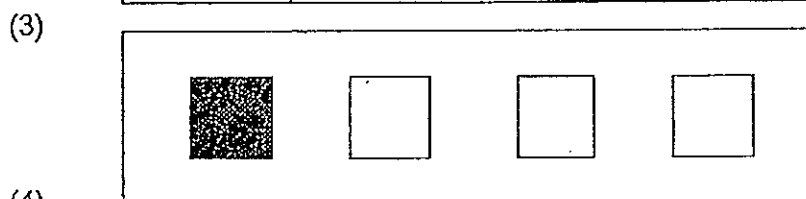
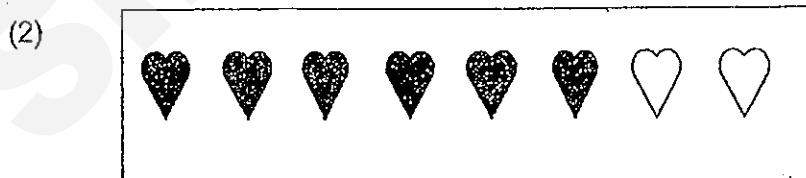
- (1) 288  
 (2) 450  
 (3) 1 600  
 (4) 1 800

8.  $\star + \star + \star + \star = 372 \times 5$

What number does  $\star$  represent?

- (1) 93  
 (2) 465  
 (3) 1 488  
 (4) 1 860

9. Which of the following shows  $\frac{3}{4}$  of the set is shaded?



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Use the table below to answer questions 10, 11 and 12.  
The table shows the number of apples picked by 5 children.

|       | Name    | Number of apples picked |
|-------|---------|-------------------------|
| Girls | Ai Ling | 50                      |
|       | Betty   | 45                      |
|       | Siti    | 60                      |
| Boys  | Gopal   | 66                      |
|       | Ming    | 100                     |

10.  $\frac{2}{5}$  of the apples picked by Ming were red. How many red apples did he pick?
- (1) 20  
(2) 25  
(3) 40  
(4) 50
11. How many apples must Ming give to Gopal so that both of them have the same number of apples?
- (1) 17  
(2) 34  
(3) 36  
(4) 46
12. How many more apples must the girls pick in order to have twice as many apples as the boys?
- (1) 155  
(2) 166  
(3) 177  
(4) 332

13. Express  $4\frac{3}{4}$  as an improper fraction.

(1)  $\frac{7}{4}$

(2)  $\frac{11}{4}$

(3)  $\frac{16}{4}$

(4)  $\frac{19}{4}$

14. Which one of the following is arranged from the greatest to the smallest?

(1)  $\frac{3}{4}, \frac{2}{3}, \frac{5}{12}$

(2)  $\frac{5}{12}, \frac{2}{3}, \frac{3}{4}$

(3)  $\frac{3}{4}, \frac{5}{12}, \frac{2}{3}$

(4)  $\frac{2}{3}, \frac{3}{4}, \frac{5}{12}$

15. What is the missing number in the box?

$$5\frac{3}{4} = 2 + \frac{\square}{4}$$

(1) 9

(2) 6

(3) 3

(4) 15

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16. A pizza was cut into 9 pieces. Tim ate  $\frac{1}{9}$  of the pizza. Alex ate 1 piece more than Tim and 2 pieces fewer than Kent. Bill ate the rest of the pieces. What fraction of the pizza did Bill eat?

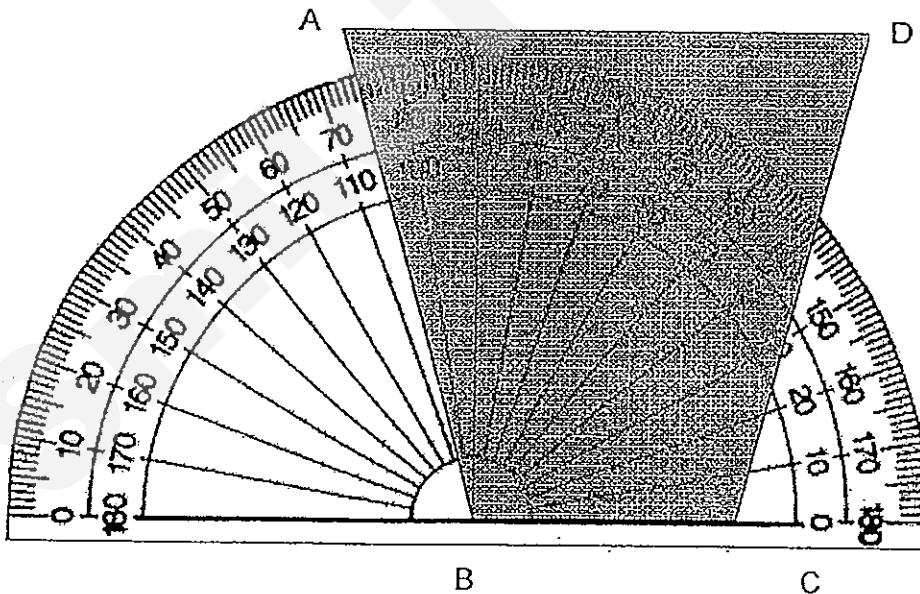
(1)  $\frac{1}{9}$

(2)  $\frac{2}{9}$

(3)  $\frac{4}{9}$

(4)  $\frac{5}{9}$

17. What is  $\angle ABC$  in the figure below?



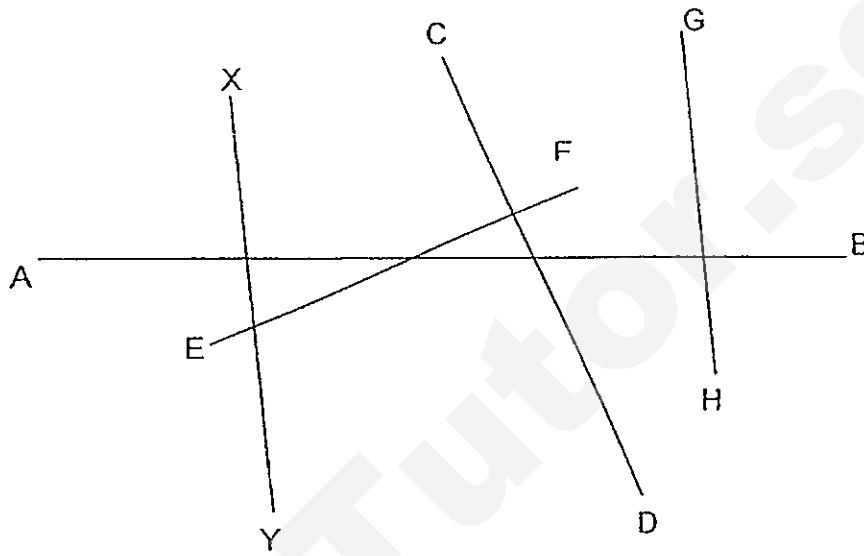
(1)  $75^\circ$

(2)  $85^\circ$

(3)  $105^\circ$

(4)  $115^\circ$

18. In the figure below, which two lines are perpendicular to each other?



- (1)  $GH \perp AB$   
 (2)  $XY \perp AB$   
 (3)  $XY \perp GH$   
 (4)  $CD \perp EF$

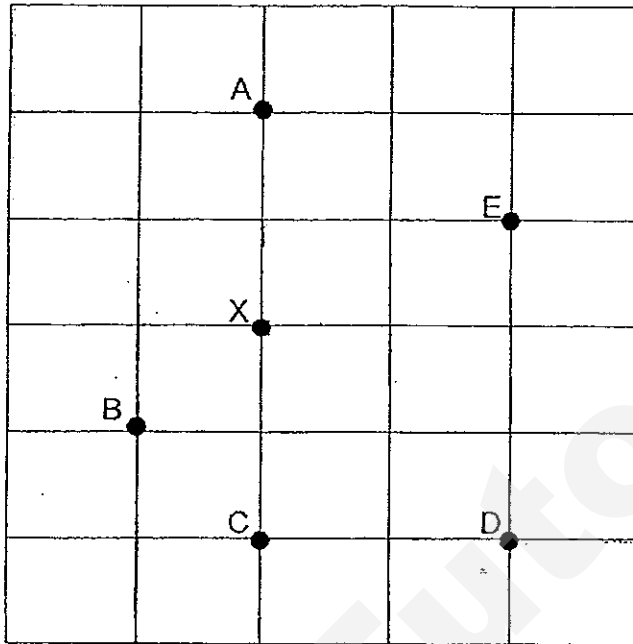
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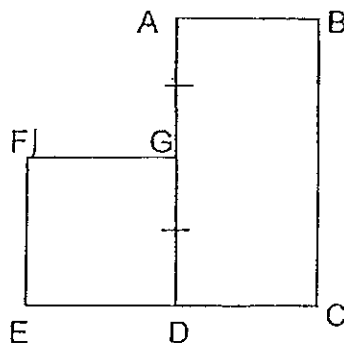
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19. Look at the figure below. Jane is standing at a point marked X in the figure below. She will face A after she turns  $135^\circ$  anti-clockwise. Where was Jane facing **before** making the turn?



- (1) B  
 (2) C  
 (3) D  
 (4) E
20. The figure below is made up of a rectangle and a square. AB is 5 cm and BC is twice as long as AB. What is the perimeter of the figure?



- (1) 30 cm  
 (2) 40 cm  
 (3) 45 cm  
 (4) 75 cm



# METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887



## MID-YEAR EXAMINATION 2013 PRIMARY 4 MATHEMATICS BOOKLET B

Total Time: 1 h 45 minutes

### INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.  
Follow all instructions carefully.  
Answer all questions.

Name: \_\_\_\_\_ ( )

Class: Primary 4. \_\_\_\_\_

Date: 14 MAY 2013

|           |     |
|-----------|-----|
| BOOKLET A | 40  |
| BOOKLET B | 40  |
| BOOKLET C | 20  |
| TOTAL     | 100 |

This booklet consists of 9 printed pages including this page.



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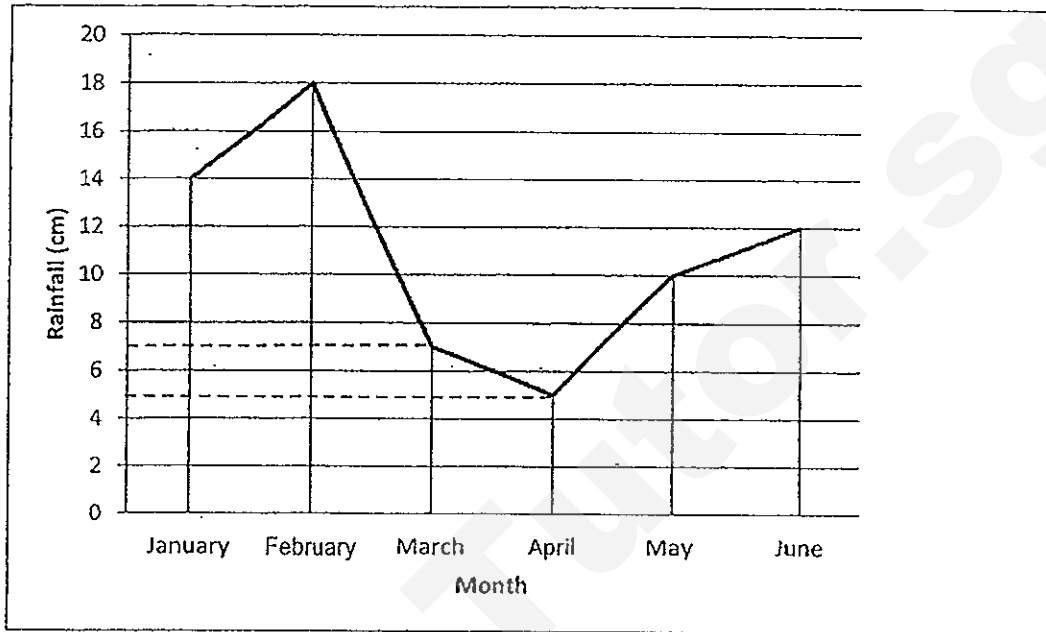
**Section B: (40 marks)**

**Write your answers in the space provided.**

**For questions which require units, give your answers in the units stated.**

Use the information below to answer questions 21 and 22.

The graph shows the monthly rainfall from January to June in 2012.



21. What was the decrease in rainfall between February and March?

Ans: \_\_\_\_\_ cm

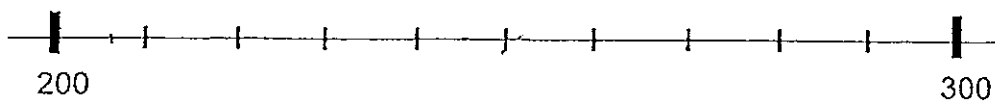
22. In which 1-month period was there an increase of 5 cm in the monthly rainfall?

Ans: From \_\_\_\_\_ to \_\_\_\_\_

23. On the number line below,

(a) mark the value 245 with a 'X'.

(b) circle the answer when 245 is rounded off to the nearest hundred.



(Go on to the next page)

24. What is the quotient when 5 033 is divided by 8?

Ans: \_\_\_\_\_

25. Use all the digits 2, 4, 5, 8 and 9, to form the smallest five-digit even number with digit 4 in the hundreds place.

Ans: \_\_\_\_\_

26. I have fewer than 30 marbles. I can put them equally into bags of 2, 4, or 7 without any remainder. How many marbles do I have?

Ans: \_\_\_\_\_

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Use the information below to answer questions 27 and 28.  
The table shows the number of Primary 4 children in the various CCA groups in Blackmore Primary School.

|              | Number of boys | Number of girls | Total |
|--------------|----------------|-----------------|-------|
| Basketball   | 35             | 18              | 53    |
| Swimming     | ?              | 17              | 40    |
| Library Club | 15             | 20              | 35    |
| Pottery Club | 22             | 30              | 52    |
| Total        |                |                 | ?     |

27. How many boys joined swimming?

Ans: \_\_\_\_\_

28. There were 200 children in Primary 4.  
How many children did not join any CCA groups?

Ans: \_\_\_\_\_

29. What is the missing number in the box?

$$2\frac{5}{6} + \frac{1}{3} = \frac{\square}{6}$$

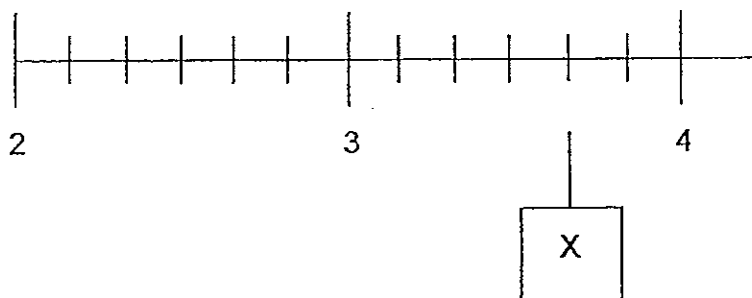
Ans: \_\_\_\_\_

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30. What is the value of X on the number line below?  
Give your answer as an **improper fraction** in its simplest form.



Ans: \_\_\_\_\_

31. There are 4 red roses, 6 yellow roses and 8 white roses in a vase. What fraction of the roses is white? Give your answer in its simplest form.

Ans: \_\_\_\_\_

32. Mary spent  $\frac{4}{9}$  of her money on a book and had \$15 left.  
How much did she have at first?

Ans: \$ \_\_\_\_\_

(Go on to the next page



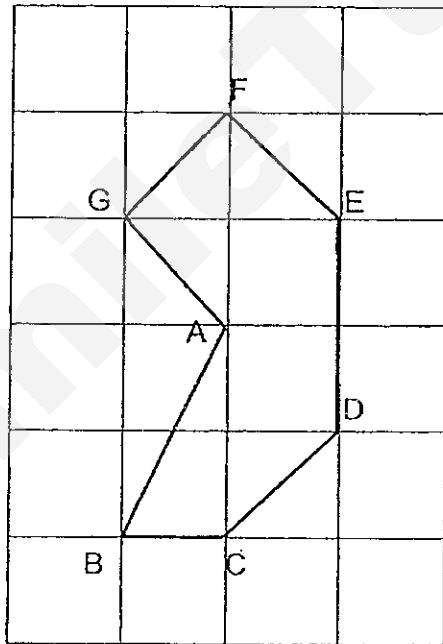
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33. There were 1600 people at a Science fair. 600 of them were adults and the rest were children. If  $\frac{2}{5}$  of the children were girls, how many boys were there?

Ans: \_\_\_\_\_

34. (a) Name a line that is parallel to CD.  
 (b) Name a line that is perpendicular to EF.



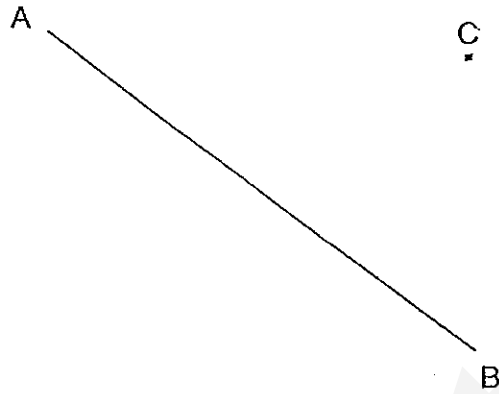
Ans: (a) \_\_\_\_\_ // \_\_\_\_\_

(b) \_\_\_\_\_ ⊥ \_\_\_\_\_

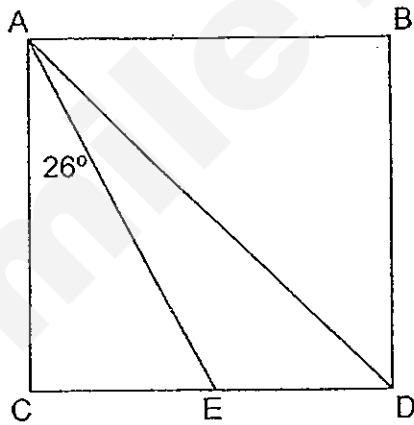
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35. The figure below shows a line AB and a point C. Draw a line perpendicular to AB passing through point C. Mark the angle.



36. In the figure shown below, ABCD is a square.  $\angle CAE = 26^\circ$ , Find  $\angle DAE$ .



Ans: \_\_\_\_\_°

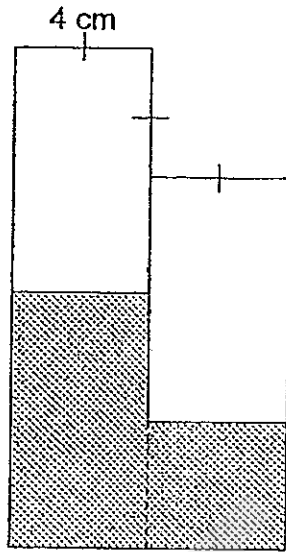
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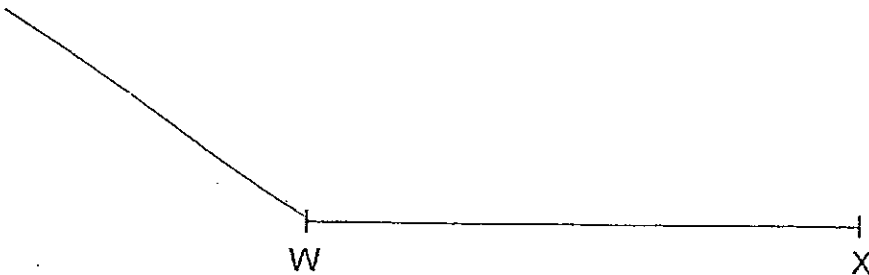
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37. The figure below is made up of 3 identical rectangles and a square. What is the perimeter of the shaded part?



Ans: \_\_\_\_\_ cm

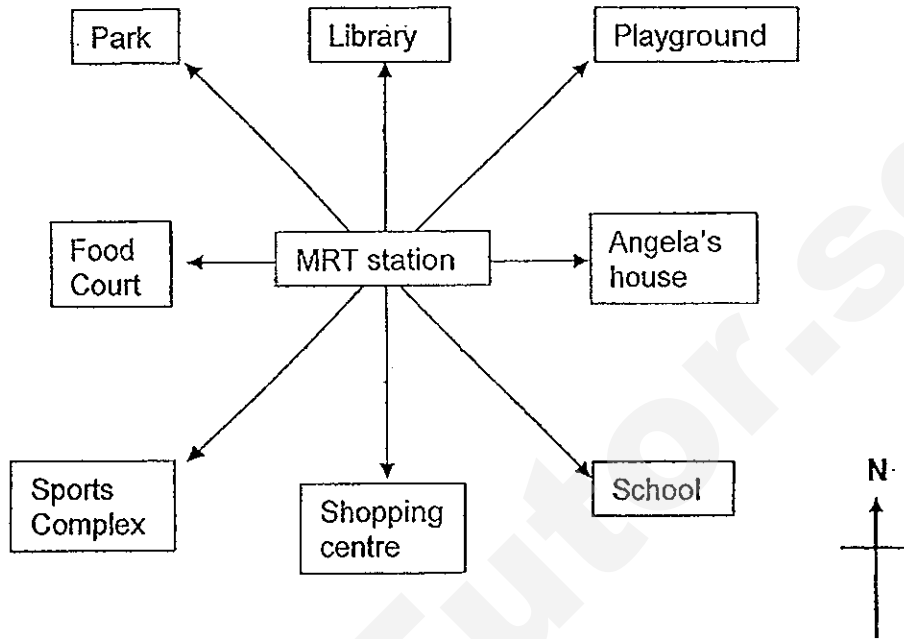
38. The figure below shows a line WX. Draw  $\angle XWZ = 145^\circ$ . Mark and label the angle.



(Go on to the next page)



Use the figure to answer questions 39 and 40.



39(a). The Sports Complex is \_\_\_\_\_ of the MRT station.

(b) The \_\_\_\_\_ is east of the Library.

Ans:(a) \_\_\_\_\_

(b) \_\_\_\_\_

40. Angela is standing at the MRT station facing her house. She makes a  $\frac{3}{4}$  - turn in a clockwise direction. Where would she be facing?

Ans: \_\_\_\_\_

(Go on to the next page)



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# METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887



## MID-YEAR EXAMINATION 2013 PRIMARY 4 MATHEMATICS BOOKLET C

Total Time: 1 h 45 minutes

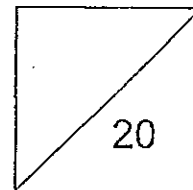
### INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.  
Follow all instructions carefully.  
Answer all questions.

Name: \_\_\_\_\_ ( )

Class: Primary 4. \_\_\_\_\_

Date: 14 MAY 2013



This booklet consists of 6 printed pages including this page.



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**Section C: (20 marks)**

Show your working clearly in the space provided for each question and write your answers in the space provided.

The number of marks available is shown in brackets [ ] at the end of each question or part-question.

41. Mrs Tan bought 3 ℓ of lemonade. Her daughter drank  $\frac{1}{4}$  ℓ and her son drank  $\frac{3}{8}$  ℓ. After Mrs Tan drank some of the lemonade, there was  $1\frac{1}{2}$  ℓ left.

- (a) How much more lemonade did her son drink than her daughter?  
(b) How much lemonade did Mrs Tan drink?

Ans: (a) \_\_\_\_\_ [1]

(b) \_\_\_\_\_ [3]

(Go on to the next page)



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42. Three sisters counted their money in their piggy bank.  
May had \$947 more than Ling and Siew had \$75 more than May.  
If May had \$1 455, what was the total amount of money the three sisters had?

Ans: \_\_\_\_\_ [4]

43. Jenny bought a total of 20 pens and erasers.  
The pen cost \$3 each and the eraser cost \$1 each.  
Jenny paid the cashier \$50 and received \$6 as change.  
How many pens did Jenny buy?

Ans: \_\_\_\_\_ [4]

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44. John had 640 Singapore stamps and 450 Malaysian stamps in his collection.  
He exchanged some of his Malaysian stamps for an equal number of Singapore stamps.  
He now has 4 times as many Singapore stamps as Malaysian stamps.
- (a) What is the total number of stamps John has?  
(b) How many more Singapore stamps were added to his collection?

Ans: (a) \_\_\_\_\_ [1]

(b) \_\_\_\_\_ [3]



45. Lucy had a sum of money. She spent  $\frac{3}{8}$  of her money on stationery,  $\frac{1}{4}$  of her money on books and \$45 on a blouse. She had \$15 left after spending on the items. How much money did she have at first?

Ans: \_\_\_\_\_ [4]

END OF PAPER

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# ANSWER SHEET

**EXAM PAPER 2013**

**SCHOOL : MGS**

**SUBJECT : PRIMARY 4 MATHEMATICS**

**TERM : SA1**

|    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 | Q16 | Q17 |
| 4  | 3  | 3  | 3  | 2  | 1  | 4  | 2  | 2  | 3   | 1   | 3   | 4   | 1   | 4   | 2   | 3   |

|     |     |     |
|-----|-----|-----|
| Q18 | Q19 | Q20 |
| 4   | 3   | 2   |

21)11cm      22)April to May      23)

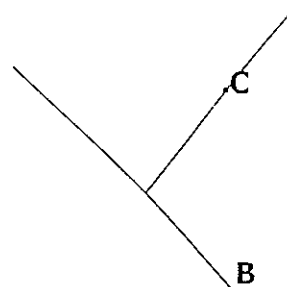
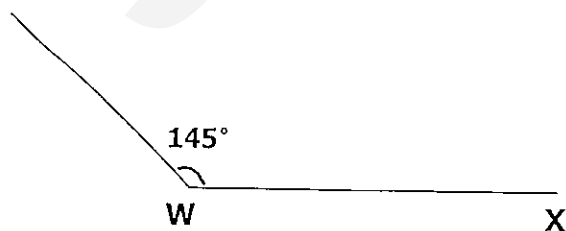
24)629      25)25498      26)28 marbles      27)23 boys

28)20 children      29)19      30)11/3      31)4/9      32)\$27

33)600 boys      34)a)CD//GF      b)EF//FG      35)A

36)19°      37)32cm

38) Z



39)a)South-West  
b)playground



40)Library

41)a)  $\frac{1}{4} = \frac{2}{8}$

$\frac{3}{8} - \frac{2}{8} = \frac{1}{8}$

Mrs Tan son drank  $\frac{1}{8}$ L for than her daughter.

b)  $\frac{3}{8} + \frac{2}{8} = \frac{5}{8}$

$\frac{8}{8} - \frac{5}{8} = \frac{3}{8}$

$\frac{3}{8} + \frac{1}{2} = \frac{3}{8} + \frac{4}{8} = \frac{7}{8}$

Mrs Tan drank  $\frac{7}{8}$ L

42)  $\$1455 - \$974 = \$508$

$\$1455 + \$75 = \$1530$

$\$1530 + \$1455 = \$2985$

$\$2985 + \$508 = \$3493$

The total amount of money the three sisters had is \$3493.

43)  $\$50 - \$6 = \$44$

$12 \times \$3 = \$36$

$8 \times \$1 = \$8$

$\$36 + \$8 = \$44$

Jenny bought 12 pens.

44)a)  $640 + 450 = 1090$

John has 1090 stamps altogether.

b)  $1090 \div 5 = 218$

$450 - 218 = 232$

There were 232 more Singapore stamps added to his collection.

45)  $\frac{1}{4} = \frac{2}{8}$

$\$45 + \$15 = \$60$

$\$60 \div 3 = \$20$

$\$20 \times 8 = \$160$

Lucy had \$160 at first.



NAN HUA PRIMARY SCHOOL  
SEMESTRAL ASSESSMENT 1 – 2013  
PRIMARY 4  
MATHEMATICS

INSTRUCTION TO CANDIDATES

1. Write your name and index number in the space provided.
2. Do not turn over the page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Shade your answers in the Optical Answer Sheet (OAS) provided for Questions 1- 20.

Marks Obtained

| Section | Maximum Marks | Actual Marks |
|---------|---------------|--------------|
| A       | 40            |              |
| B       | 40            |              |
| C       | 20            |              |
| Total   | 100           |              |

Name : \_\_\_\_\_ (       )

Class : Pr 4 \_\_\_\_\_

Date : 16 May 2013

Duration: 1 hour 45 min

Parent's Signature : \_\_\_\_\_

**Section A (20 x 2 marks)**

**Questions 1 to 20 carry 2 marks each.**

**For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval on the OAS. [40marks]**

1. 9 083 when rounded off to the nearest hundred is \_\_\_\_\_.

- (1) 9 000
- (2) 9 080
- (3) 9 090
- (4) 9 100

2. What is the value of  $105 \times 13$  ?

- (1) 420
- (2) 450
- (3) 1 365
- (4) 1 495

3. In which of the following number is the digit '3' in the **thousands** place?

- (1) 42 300
- (2) 37 219
- (3) 23 567
- (4) 15 934

4. The sum of all the factors of 12 is \_\_\_\_\_

- (1) 6
- (2) 15
- (3) 27
- (4) 28

5. 20 thousands 40 ones is the same as \_\_\_\_\_.

- (1) 2 004
- (2) 2 040
- (3) 20 040
- (4) 20 400

6. The product of 2 numbers is 784. If one of the numbers is 8, what is the other number?

- (1) 98
- (2) 776
- (3) 792
- (4) 6 272

7. Which of the following fraction has the **greatest** value?

- (1)  $\frac{3}{8}$
- (2)  $\frac{1}{2}$
- (3)  $\frac{3}{4}$
- (4)  $\frac{7}{12}$

8. How many **quarters** are there in 3 wholes?

- (1) 9
- (2) 12
- (3) 15
- (4) 4

9. Which of the following fraction is nearest to 1 ?

(1)  $\frac{1}{2}$

(2)  $\frac{3}{7}$

(3)  $\frac{2}{5}$

(4)  $\frac{3}{4}$

10. Mr Lim bought some red and green apples from the supermarket.  
After giving away 4 red apples, Mr Lim had 10 apples left.  
What fraction of the apples had he given away?

(1)  $\frac{2}{5}$

(2)  $\frac{3}{5}$

(3)  $\frac{2}{7}$

(4)  $\frac{5}{7}$

11.  $\frac{3}{8}$  of a number is 24. What is the number?

(1) 9

(2) 64

(3) 72

(4) 192

12. What is the difference between  $2\frac{2}{3}$  and  $\frac{1}{4}$ ?

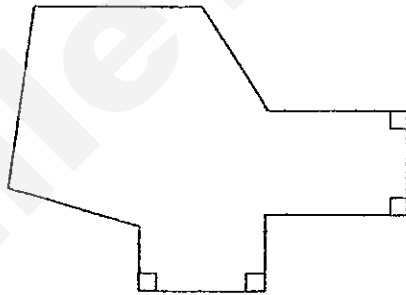
(1)  $1\frac{5}{12}$

(2)  $1\frac{1}{3}$

(3)  $2\frac{1}{3}$

(4)  $2\frac{5}{12}$

13. How many angles **inside** the figure are more than  $90^\circ$  ?



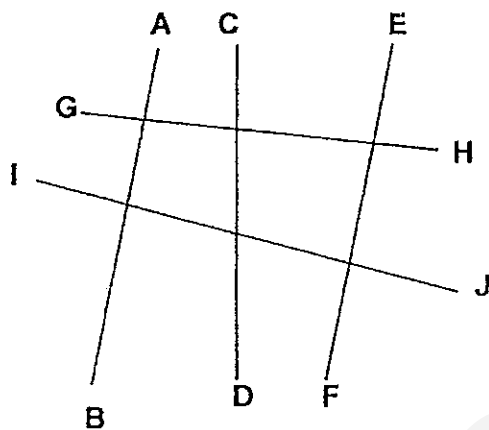
(1) 7

(2) 6

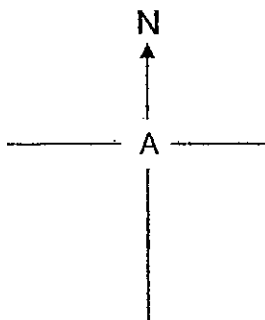
(3) 5

(4) 4

14. Study the diagram below.  
Find one pair of parallel lines.

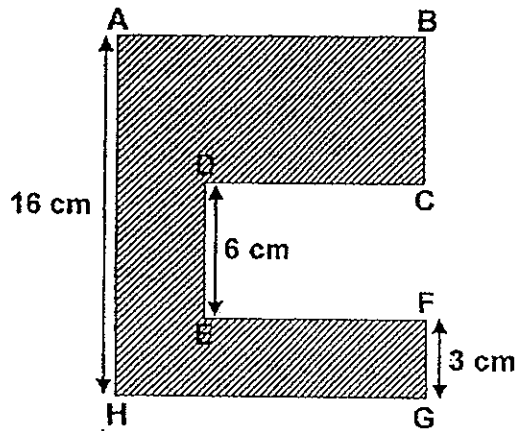


- (1)  $AB \parallel CD$   
 (2)  $CD \parallel EF$   
 (3)  $AB \parallel EF$   
 (4)  $GH \parallel IJ$
15. Jerrell is standing at point A and facing west. Which direction will he face if he turns  $225^\circ$  clockwise?



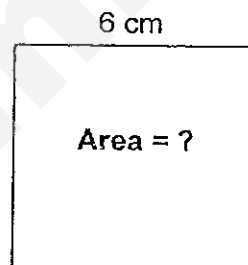
- (1) North-east  
 (2) South-east  
 (3) South-west  
 (4) North-west

16. Find the length of BC. (The figure is not drawn to scale.)



- (1) 6 cm
- (2) 7 cm
- (3) 9 cm
- (4) 10 cm

17. What is the area of a square of side 6 cm?



- (1)  $6 \text{ cm}^2$
- (2)  $12 \text{ cm}^2$
- (3)  $24 \text{ cm}^2$
- (4)  $36 \text{ cm}^2$



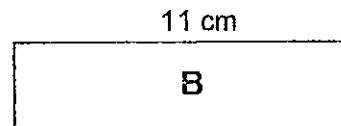
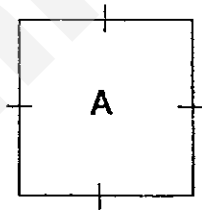
18. The area of a rectangle is twice the area of a square of side 4 cm. What is the area of the rectangle?

- (1) 8 cm<sup>2</sup>
- (2) 16 cm<sup>2</sup>
- (3) 32 cm<sup>2</sup>
- (4) 64 cm<sup>2</sup>

19. The length of a rectangle is 10 cm. Its breadth is half of its length. What is the perimeter of the rectangle?

- (1) 30 cm
- (2) 50 cm
- (3) 60 cm
- (4) 200 cm

20. The area of Square A is 49 cm<sup>2</sup>. Square A and Rectangle B have the same perimeter. If the length of Rectangle B is 11 cm, what is its breadth?



- (1) 7 cm
- (2) 2 cm
- (3) 3 cm
- (4) 6 cm

**Section B (20x2 marks)**

Questions 21 to 40 carry 2 marks each. Write your answers in the spaces provided. Show your workings clearly and write the answers in the units provided. [40marks]

21. Form the greatest 5-digit odd number using all the digits below.  
Use each digit only once.

|   |   |   |   |   |
|---|---|---|---|---|
| 2 | 4 | 5 | 0 | 7 |
|---|---|---|---|---|

Answer: \_\_\_\_\_

22. What is the sum of the 3<sup>rd</sup> and 7<sup>th</sup> multiples of 3?

Answer: \_\_\_\_\_

23. Write 12 811 in words.

Answer: \_\_\_\_\_  
\_\_\_\_\_

24. Find the product of 362 and 24.

Answer: \_\_\_\_\_

25. A DVD player costs 3 times as much as a radio. If the radio costs \$60 less than the DVD player, find the total cost of the two items.

Answer: \$ \_\_\_\_\_

26. The length of a rectangular photo frame is 24 cm. If its breadth is  $\frac{1}{3}$  that of the length, what is the area of the rectangular photo frame?

Answer: \_\_\_\_\_ cm<sup>2</sup>

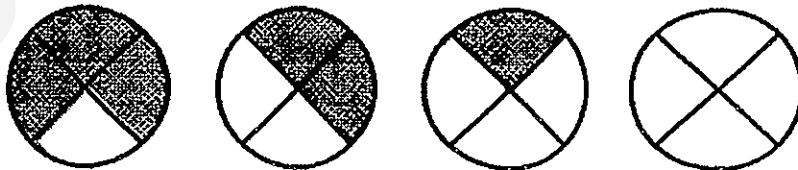
27. Anita's monthly salary was \$2 400. She spent  $\frac{2}{3}$  of her monthly salary on transport and food and saved the rest. How much did Anita save each month?

Answer: \$ \_\_\_\_\_

28. Find the sum of  $\frac{2}{5}$  and  $\frac{3}{10}$ .

Answer: \_\_\_\_\_

29. Mary has 4 similar circles. Each circle is cut into 4 equal parts. How many more parts must Mary shade if she wants  $3\frac{1}{4}$  circles to be shaded?



Answer: \_\_\_\_\_ more

30. Arrange the following fractions from the smallest to the greatest.

$$\frac{8}{9}, \frac{4}{5}, \frac{1}{2}, \frac{5}{6}$$

Answer: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_  
                  smallest

31. At a book fair,  $\frac{3}{8}$  of the books were sold and 1 000 books were left unsold.

How many books were there at first?

Answer: \_\_\_\_\_ books

32. Susan has 84 stickers. Her brother has 46 stickers. How many stickers must Susan give her brother so that they have equal numbers of stickers?

Answer: \_\_\_\_\_ stickers

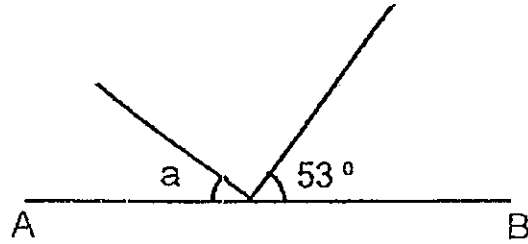
33. There were 10 lamp posts placed at equal distance along one side of a straight road. The total distance between the first lamp post and the last lamp post was 414 m. What was the distance between the 2<sup>nd</sup> and the 7<sup>th</sup> lamp post?

Answer: \_\_\_\_\_ m

34. Mrs Lim had 154 stamps. If she gave 4 stamps to each pupil in her class, she would need 14 more stamps. How many pupils were there in her class?

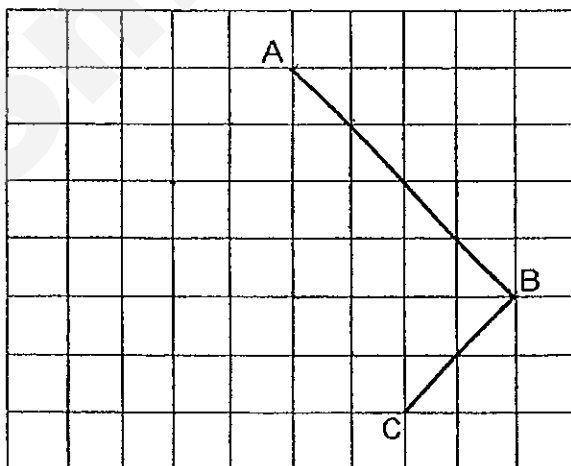
Answer: \_\_\_\_\_ pupils

35. In the diagram below, AB is a straight line. The figure is not drawn to scale.  
What is the value of  $\angle a$ ?

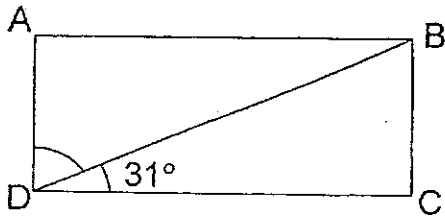


Answer: \_\_\_\_\_

36. AB and BC are two sides of a rectangle. Complete the rectangle by drawing the two straight lines in the square grid below.

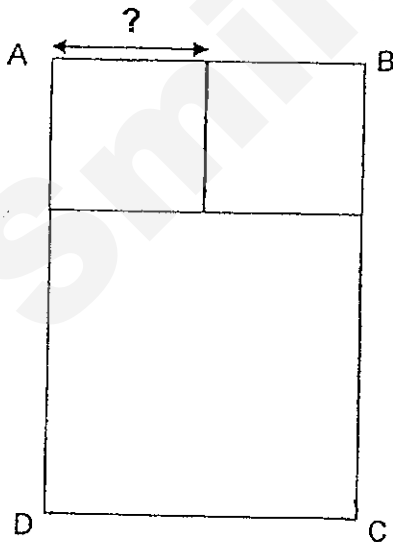


37. ABCD is a rectangle. The figure is not drawn to scale.  
Find the value of  $\angle BDA$ .



Answer: \_\_\_\_\_ °

38. The figure is made up of 2 identical small squares and another big square. If the area of the big square is  $16 \text{ cm}^2$ , what is the length of each of the small square?



Answer: \_\_\_\_\_ cm



Study Figure A below. The figure is made up of a square and a rectangle.  
Answer questions 39 and 40. (The figure is not drawn to scale.)

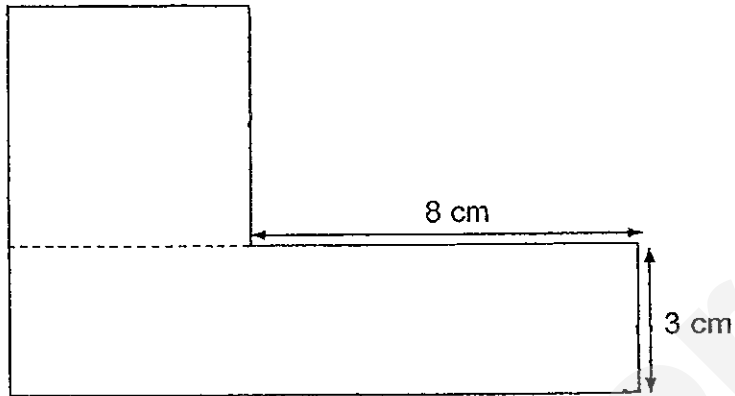


Figure A

- 
39. Find the total area of the figure if the area of the square is  $36 \text{ cm}^2$ .

Answer: \_\_\_\_\_  $\text{cm}^2$

40. Find the perimeter of the whole figure.

Answer: \_\_\_\_\_ cm

**Section C (5 x 4 marks)**

**Do the following sums carefully. All statements, workings and units must be clearly shown. [20marks]**

41. 784 pupils took part in a parade. 432 of them were boys. If each girl carried 2 flags and each boy carried 1 flag, how many flags were there altogether?
42. Jeremy bought some boxes of pencils at \$4 each. They cost \$580 in total. Some of the boxes of pencils were damaged. He sold the good ones at \$5 each and collected \$360. How many boxes of pencils were damaged?

43. Rayden had 20 more stamps than Woody at first. Woody gave 12 of his stamps to Rayden. Rayden now has 3 times as many stamps as Woody. How many stamps did Woody have at first?

44. Hui Min had \$120. She spent  $\frac{3}{5}$  of it on a pair of shoes and \$40 on a bag. How much money had she left?

45. Lynda was given some coupons to sell to raise funds for needy pupils in school. For every 3 coupons sold, she would be rewarded with 5 stickers. How many coupons would she have to sell if she wanted to collect 30 stickers?

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# ANSWER SHEET

## EXAM PAPER 2013

SCHOOL : NAHUA PRIMARY SCHOOL  
LEVEL : PRIMARY 4  
SUBJECT : MATHEMATICS  
TERM : SA1

### Booklet A

|    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 | Q16 |
| 4  | 3  | 3  | 4  | 3  | 1  | 3  | 2  | 4  | 3   | 2   | 4   | 2   | 3   | 2   | 2   |

|     |     |     |     |
|-----|-----|-----|-----|
| Q17 | Q18 | Q19 | Q20 |
| 4   | 3   | 1   | 3   |

21. 74205

22. 30

23. Twelve thousand, right hundred and eleven.

24. 8688

25. 120

26. 192

27. 800

28.  $\frac{1}{10}$

29. 7

30.  $\frac{1}{2}$ ,  $\frac{4}{5}$ ,  $\frac{5}{6}$ ,  $\frac{8}{9}$

31. 1600

32. 19

33. 0 m

34. 42

35. 37 degree

36.

37. 54

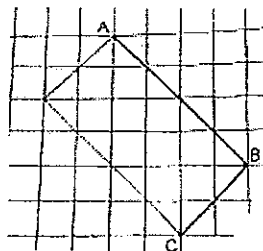
38. 2

39. 78

40. 46

41.  $784 - 432 = 352$

$352 \times 2 = 704$



$$432 \times 1 = 432$$

$$704 + 432 = 1136$$

$$42.580 \div 4 = 145$$

$$360 \div 5 = 72$$

$$145 - 72 = 73$$

$$43.44 \div 2 + 12 = 22 + 12 = 34$$

$$44. 120 \div 5 = 24$$

$$24 \times 3 = 72$$

$$72 + 40 = 112$$

$$120 - 112 = 8$$

$$45.30 \div 5 = 6$$

$$6 \times 3 = 18$$

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NANYANG PRIMARY SCHOOL

FIRST SEMESTRAL EXAMINATION  
2013

PRIMARY 4  
MATHEMATICS

DURATION: 1 HOUR 45 MINUTES

|           |      |
|-----------|------|
| Section A | / 30 |
| Section B | / 40 |
| Section C | / 30 |

|        |       |
|--------|-------|
| Total: | / 100 |
|--------|-------|

Name: \_\_\_\_\_ ( )

Class: Primary 4 ( )

Date: 16 May 2013

Parent's Signature: \_\_\_\_\_

Any query on marks awarded should be raised by 22 May 2013. We seek your understanding in this matter as any delay in the confirmation of marks will lead to delays in the generation of results

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.  
FOLLOW ALL INSTRUCTIONS CAREFULLY.  
ANSWER ALL QUESTIONS.



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### **Section A**

Questions 1 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet. (Total: 30 marks)

1. Which one of the following numbers when rounded off to the nearest hundred is 45 600?

(1) 45 512                      (2) 45 647  
(3) 45 542                      (4) 45 678

2. The height of an adult elephant is about \_\_\_\_\_.

(1) 3000 m                      (2) 300 m  
(3) 3 m                          (4) 30 m

3. Which one of the following numbers is a factor of 36?

(1) 108                          (2) 72  
(3) 8                              (4) 4

4. Which one of the following pairs of numbers are common factors of 16 and 24?

(1) 3 and 8                      (2) 6 and 8  
(3) 4 and 6                      (4) 4 and 8

5. Find the quotient when 6040 is divided by 7.

(1) 86

(2) 805

(3) 859

(4) 862

6. Which one of the following is a multiple of  $48 \div 8$ ?

(1) 12

(2) 2

(3) 3

(4) 16

7. How many sixths are there in  $6\frac{1}{3}$ ?

(1) 6

(2) 19

(3) 37

(4) 38

8. What is the sum of  $3\frac{5}{7}$  and  $1\frac{3}{7}$ ?

(1)  $4\frac{1}{7}$

(2)  $4\frac{8}{14}$

(3)  $5\frac{1}{7}$

(4)  $5\frac{8}{14}$

9. Alex drinks  $\frac{7}{12}$  ℓ of milk a day. How many litres of milk will he drink in 3 days?

(1)  $\frac{21}{36}$

(2)  $\frac{5}{6}$

(3)  $1\frac{1}{2}$

(4)  $1\frac{3}{4}$

10. Renee walked a distance of  $\frac{3}{10}$  km. Xiao Ling walked 4 times as far as Renee. What was the total distance that the two children walked?

(1)  $4\frac{3}{10}$  km

(2)  $1\frac{1}{2}$  km

(3)  $1\frac{1}{5}$  km

(4)  $\frac{21}{40}$  km

11. Alex is facing north-east. He makes a  $\frac{3}{4}$  - turn clockwise. Which direction is he facing now?

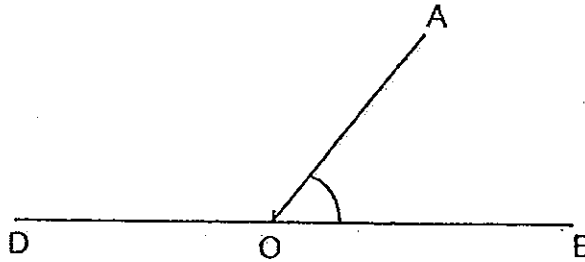
(1) North-west

(2) South

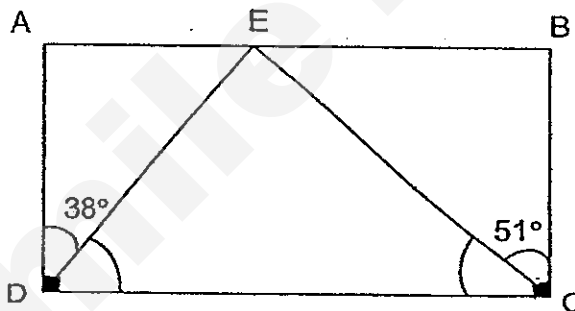
(3) South-east

(4) West

12. The diagram below is not drawn to scale. Given that DOE is a straight line, which one of the following angles is the best estimation of  $\angle AOE$ ?



- (1)  $15^\circ$                       (2)  $55^\circ$   
(3)  $85^\circ$                       (4)  $125^\circ$
13. ABCD is a rectangle not drawn to scale. CE and DE are straight lines.  $\angle ADE$  is  $38^\circ$  and  $\angle BCE$  is  $51^\circ$ . Find the sum of  $\angle EDC$  and  $\angle ECD$ .



- (1)  $42^\circ$                       (2)  $48^\circ$   
(3)  $89^\circ$                       (4)  $91^\circ$

14. A total of 360 adults and children bought tickets for a funfair. There were thrice as many children as adults. The ticket for each adult cost \$9 and the ticket for each child cost \$5. How much money was collected from the sale of children's tickets?

- (1) \$1350                      (2) \$2280  
(3) \$2160                      (4) \$2880

15. Study the number pattern below. What is the missing number in the blank?

|  |
|--|
| 112 , 224 , <u>    ?</u> , 2688 , 13 440 |
|--|

- (1) 336                      (2) 448  
(3) 662                      (4) 672

**Section B**

Questions 16 to 35 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. Marks will be awarded for relevant number sentences. For questions which require units, give your answers in the units stated. (Total: 40 marks)

16. In 48 703, the digit 7 stands for \_\_\_\_\_.

Answer : \_\_\_\_\_

17. Write the number below in numerals.

3 ten thousands, 4 hundreds, 9 thousands, 5 ones

Answer : \_\_\_\_\_

18. Arrange the following numbers in ascending order.

64 838 , 64 083 , 68 403 , 64 388

Answer : \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

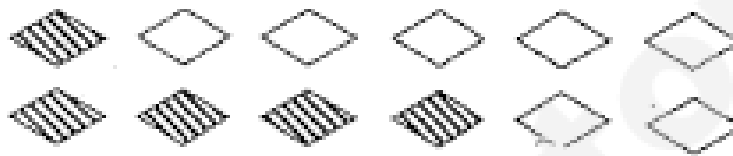
19. Estimate the product of 95 and 34 by first rounding off each number to the nearest ten.

Answer : \_\_\_\_\_

20. List all the factors of 32.

Answer \_\_\_\_\_

21. What fraction of the set below is not shaded?



Answer : \_\_\_\_\_

22. The number of flowers that Mrs Vantii has is between 80 to 100. The flowers can be bundled into bouquets of 5 or 9 with no flowers left over. How many flowers does she have?

Answer : \_\_\_\_\_

23. Gigi bought  $\frac{23}{3}$  kg of fruits. Mrs Zhang bought 1 kg more fruits than Gigi. How many kilogrammes of fruits did Mrs Zhang buy?  
Express your answer as a mixed number.

Answer : \_\_\_\_\_ kg

24. After Nurul had drunk  $\frac{7}{12}$  l of orange juice, there was  $\frac{2}{3}$  l of orange juice left. How much orange juice did she have at first?

Answer : \_\_\_\_\_ l

25. Sam had 18 strips of ribbon. Each ribbon was  $\frac{5}{6}$  m long.  
How many metres of ribbon did Sam have in total?

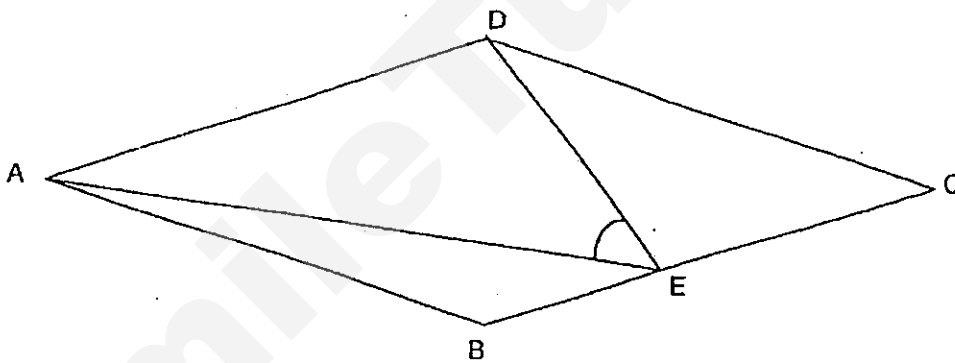
Answer : \_\_\_\_\_ m



26. A baker had some flour in her container. She used  $2\frac{3}{4}$  kg of the flour to bake some cakes on Tuesday. She then poured in 4 kg of flour into the container. There was  $4\frac{1}{8}$  kg of flour in the container in the end. How much flour did the baker have at first?

Answer : \_\_\_\_\_ kg

27. ABCD is a four-sided figure. Name and measure the marked angle.



Answer :  $\angle$  \_\_\_\_\_  
\_\_\_\_\_<sup>o</sup>

28. Construct an angle using line PQ such that  $\angle PQR$  is equal to  $125^\circ$ .  
Mark and label the angle.

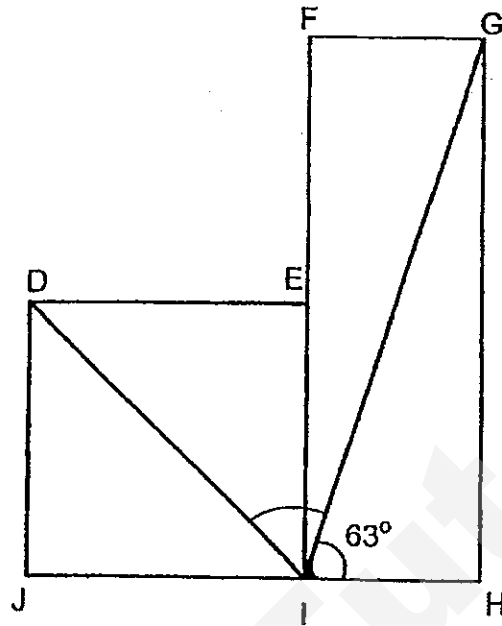


29. ST is a straight line.  
Draw and label a line PQ through point R such that  $PQ \parallel ST$ .



• R

30. The figure below shows a square DEIJ and a rectangle FGHI not drawn to scale. DI and GI are straight lines.  $\angle GIH = 63^\circ$ . Find  $\angle DIG$ .



Answer : \_\_\_\_\_ °

31. Keng Seng needs to collect 419 seashells for an art project. He only has 231 seashells now. He only has 4 weeks to collect the rest of the seashells and he collects an equal number of seashells each week. How many seashells must he collect each week? (Round off your answer to the nearest ten.)

Answer : \_\_\_\_\_

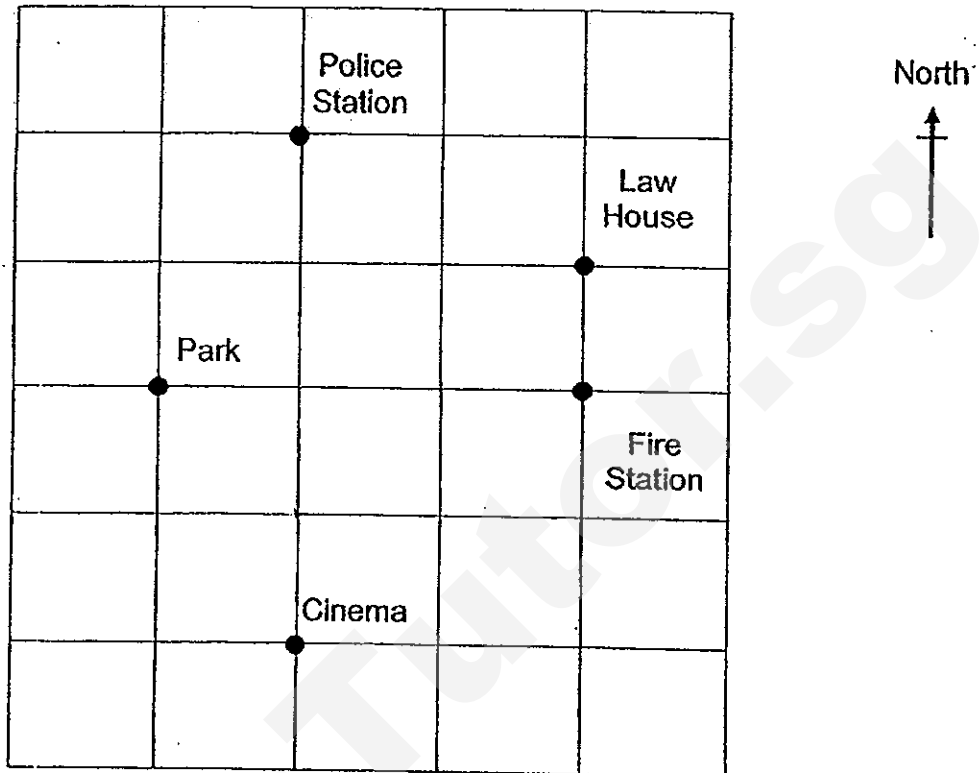
32. Mr Zhang won \$6888 in a lucky draw. He wanted to give away all the money to his wife and his 4 children. The children received the same amount each. If his wife received 3 times as much money as each child, how much money did his wife receive?

Answer : \$ \_\_\_\_\_

33. At a book fair,  $\frac{2}{5}$  of the books sold were fantasy books and  $\frac{1}{10}$  of the books sold were science fiction books. The difference between the number of fantasy books and science fiction books sold was 60. What was the total number of books sold at the book fair?

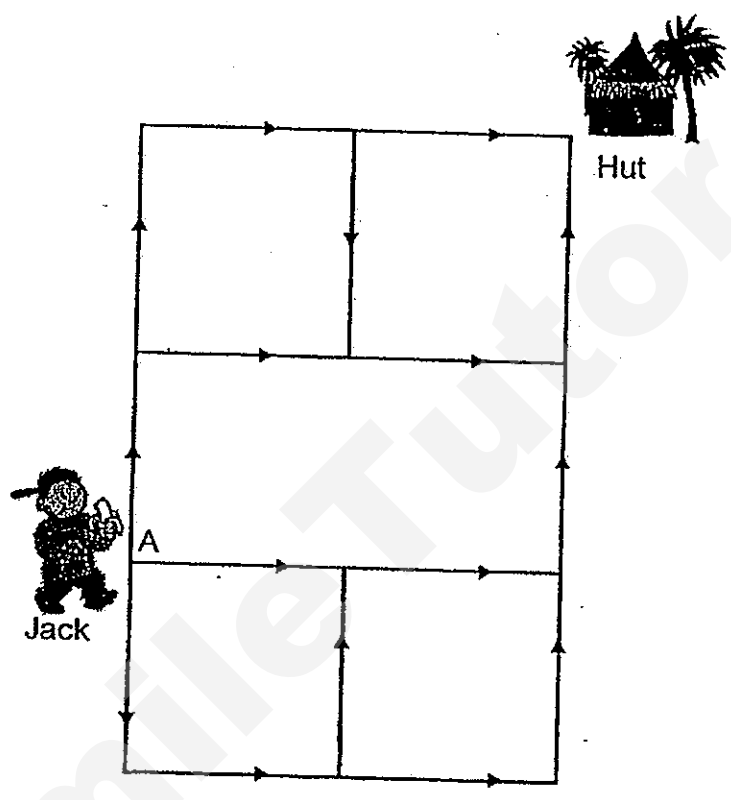
Answer : \_\_\_\_\_

34. The diagram below shows a map of the different locations in a town square.



- (a) The \_\_\_\_\_ is to the east of the \_\_\_\_\_.
- (b) The government decides to build a fountain in the town square. The location of the fountain is to be north of the cinema and south-west of the Law House. Put a cross (X) on the map where the fountain will be built.

35. The diagram below shows the different paths Jack can take to go to the hut from point A. Jack can only follow the direction of the arrows shown. How many different paths can Jack take to go to the hut?



Answer : \_\_\_\_\_

**Section C**

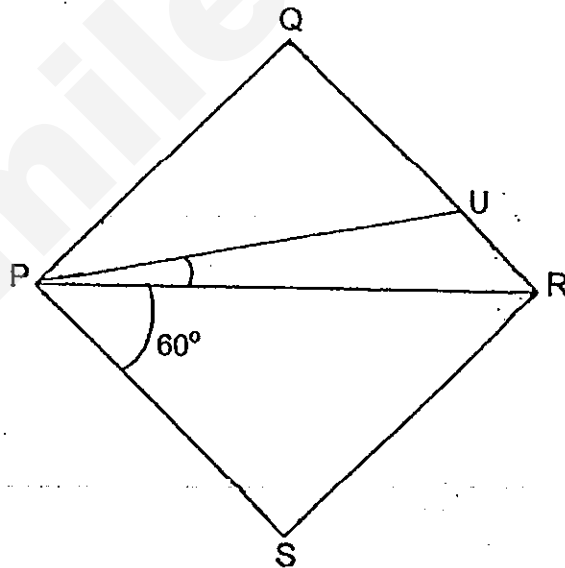
Questions 36 to 37 carry 3 marks each and questions 38 to 43 carry 4 marks each. Do these word problems carefully. Show your working clearly in the space provided below each question. Marks will be awarded to relevant number sentences. (Total: 30 marks)

36. Yiwei spent  $\frac{1}{4}$  of his savings on a set of toys. He spent another  $\frac{5}{12}$  of his savings on a T-shirt. What fraction of Yi Wei's savings was left?

Ans: \_\_\_\_\_ [3]

37. PQRS is a square. PU and PR are straight lines and PR divides the square into halves.  $\angle UPS = 60^\circ$ . Find

- (i)  $\angle PRS$   
(ii)  $\angle UPR$



Ans: (i) \_\_\_\_\_ [1]

(ii) \_\_\_\_\_ [2]

38. Mr Tan had 1315 toy robots. He kept 50 of them and distributed the rest equally among his 5 children. The children sold each toy robot at \$11. How much money did each child collect?

Ans: \_\_\_\_\_ [4]

---

39. 5 pairs of shoes and 4 bags cost \$354. 1 pair of shoes and 2 bags cost \$120. What is the cost of one bag?

Ans: \_\_\_\_\_ [4]

---



40. There were 50 more carrot cakes than yam cakes on sale in a cafe. After selling three times as many carrot cakes as yam cakes, there were 14 more yam cakes than carrot cakes left. How many carrot cakes did the cafe sell?

Ans: \_\_\_\_\_ [4]

41. David had 776 marbles. He gave  $\frac{3}{8}$  of his marbles to Peter. David also gave  $\frac{1}{4}$  of his marbles to Jian Cheng. How many marbles did David have in the end?

Ans: \_\_\_\_\_ [4]

42. Mother gave Roslina a storybook for her birthday. She read 74 pages on the first day. On the second day, Roslina read  $\frac{2}{5}$  of the total number of pages. She still had 259 pages more to read before she could finish the storybook. How many pages were there in the storybook?

Ans: \_\_\_\_\_ [4]

---

43. At a school fun fair, every Primary 4 class needs to set up a game stall along a school corridor. The game stalls are lined in a single row only on one side of the corridor. Each class is given a table to set up their game stall. The length of each table is 2 m long and there must be a gap of 3 m between 2 tables. The length of the corridor is 55 m and there is gap of 4 m at both ends of the corridor.

(a) How many stalls can the pupils set up along the length of the corridor?

(b) A dustbin is placed in between every 2 game stalls along the corridor. How many dustbins are needed?

Ans: (a) \_\_\_\_\_ [3]

(b) \_\_\_\_\_ [1]

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**END OF PAPER**

# ANSWER SHEET

## EXAM PAPER 2013

SCHOOL : NANYANG PRIMARY SCHOOL  
 LEVEL : PRIMARY 4  
 SUBJECT : MATHEMATICS  
 TERM : SA1

### Booklet A

|    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
| 2  | 3  | 4  | 4  | 4  | 1  | 4  | 3  | 4  | 2   | 1   | 2   | 4   | 1   | 4   |

16. 700

17. 39405

18. 64083, 64388, 64838, 68403

19. 3000

20. 1, 2, 4, 8, 16 and 32

21.  $7/12$

22. 90

23.  $8\frac{2}{3}$

24.  $1\frac{1}{4}$

25. 15

26.  $2\frac{7}{8}$

27. Angle AED

45 degree

28.

29.

30. 72

31. 50

32. 2952

33. 200

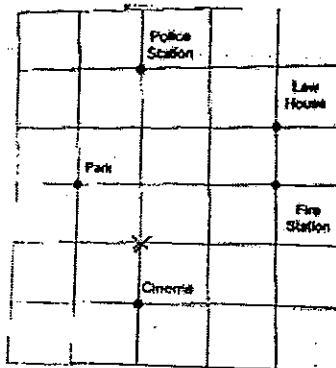
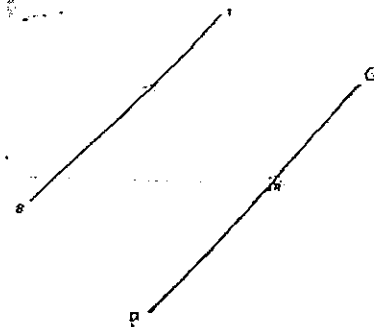
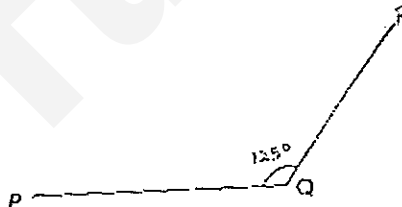
34a). fire station ... park

b)

35. 6

36.  $1 - \frac{1}{4} - \frac{5}{12} = \frac{4}{12} = \frac{1}{3}$

37i)  $(180 - 90) \div 2 = 45$



ii)  $180-90-60=30$

$90-60=30$

$60-45=15$

38.  $2783$

39.  $354+120=474$

$474/6=79$

$120-79=41$

40.  $50+14=64$

$64/2 \times 3=96$

41.  $776/8=97$

$1-3/8-1/4=3/8$

$3 \times 97=291$

42.  $1-2/5=3/5$

$(259+74) \div 3=111$

$5 \times 111=555$

43a)  $55-4-4=47$

$2+3+2=7$

$47 \div 7=6R5$

$55-4-4=47$

$47-2=45$

$45 \div 5=9$

$9+1=10$

b) a) 10

b). 9



RAFFLES GIRLS' PRIMARY SCHOOL

SEMESTRAL ASSESSMENT 1  
2013

|                                      |  |
|--------------------------------------|--|
| Your Score<br>Out of<br>100<br>marks |  |
| Parent's<br>Signature                |  |

Name : \_\_\_\_\_ ( ) Class: P4\_\_

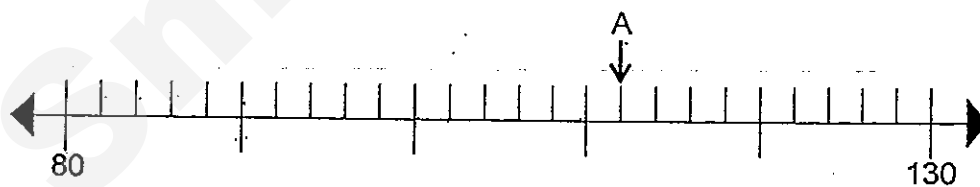
**9<sup>th</sup> MAY 2013 MATHEMATICS** Duration: 1 h 45 min

**SECTION A (25 marks)**

Question 1 to 5 carry 1 mark each. Question 6 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade your answer (1, 2, 3 or 4) on the OAS provided.

1. In 82 916, the digit 2 is in the \_\_\_\_\_ place.
- (1) ones
  - (2) tens
  - (3) hundreds
  - (4) thousands

2. Study the number line below.

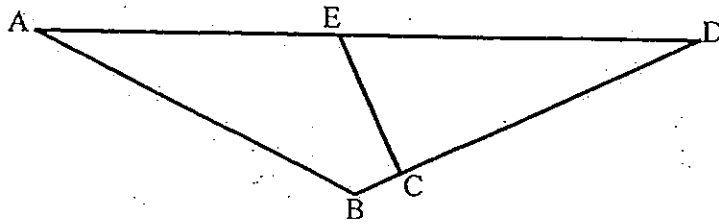


What is the number represented by A?

- (1) 110
- (2) 112
- (3) 120
- (4) 122

3. Multiply 384 by 7.
- (1) 377
  - (2) 391
  - (3) 2 668
  - (4) 2 688
4. Eliza has 25 boxes of paper clips. There are 69 paper clips in each box.  
How many paperclips does Eliza have altogether?
- (1) 1 380
  - (2) 1 725
  - (3) 1 750
  - (4) 2 070
5. Divide 5 101 by 6. What is the quotient?
- (1) 75
  - (2) 85
  - (3) 750
  - (4) 850
6. 10 m 1 cm is the same as \_\_\_\_\_ cm.
- (1) 101 cm
  - (2) 1 001 cm
  - (3) 1 010 cm
  - (4) 10 001 cm
7. 70 080g is the same as \_\_\_\_\_.
- (1) 7 kg 8 g
  - (2) 7 kg 80 g
  - (3) 70 kg 8 g
  - (4) 70 kg 80 g

8. Which of the lines in the figure below is perpendicular to BD?



- (1) AB
- (2) AD
- (3) EC
- (4) CD

9. Express  $\frac{31}{4}$  as a mixed number.

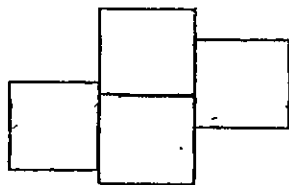
- (1)  $3\frac{1}{4}$
- (2)  $7\frac{3}{4}$
- (3)  $30\frac{1}{4}$
- (4)  $31\frac{1}{4}$

10. What is  $\frac{7}{8} - \frac{1}{2}$  ?

- (1)  $\frac{6}{6}$
- (2)  $\frac{3}{8}$
- (3)  $\frac{4}{8}$
- (4)  $\frac{6}{8}$



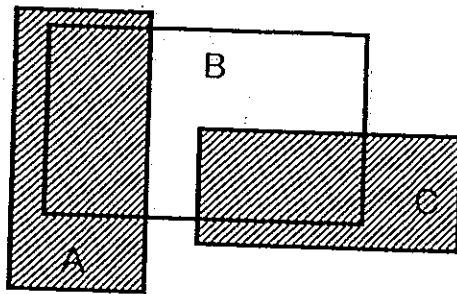
11. Maggie had 74 beads. 28 of the beads were pink and the rest were white. Maggie's mother gave her another 39 white beads. How many white beads did Maggie have altogether?
- (1) 46  
(2) 85  
(3) 113  
(4) 160
12. How many common factors are there for 24 and 60?
- (1) 6  
(2) 5  
(3) 3  
(4) 4
13. What is the difference between the 3<sup>rd</sup> multiple of 6 and 4<sup>th</sup> multiple of 7?
- (1) 10  
(2) 18  
(3) 28  
(4) 36
14. The figure below is made up of four squares. The area of each square is 25 cm<sup>2</sup>.



What is the perimeter of the figure?

- (1) 40 cm  
(2) 50 cm  
(3) 70 cm  
(4) 80 cm

15. Three rectangles (A, B and C) overlap each other as shown in the figure below. Rectangle A covers  $\frac{1}{3}$  of Rectangle B and rectangle C covers  $\frac{1}{4}$  of Rectangle B. What fraction of Rectangle B is **not** covered?



- (1)  $\frac{1}{2}$   
(2)  $\frac{5}{7}$   
(3)  $\frac{5}{12}$   
(4)  $\frac{7}{12}$

**SECTION B (40 marks)**

Question 16 to 35 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale. Answers in fractions must be expressed in the simplest form. Marks will be awarded for relevant working.

---

16. Write twelve thousand, nine hundred and six in figures.

Ans: \_\_\_\_\_

17. Find the value of  $902 \times 34$ .

Ans: \_\_\_\_\_

18. The perimeter of a rectangle is 48 m.  
The length is thrice its breadth.  
What is the breadth of the rectangle?

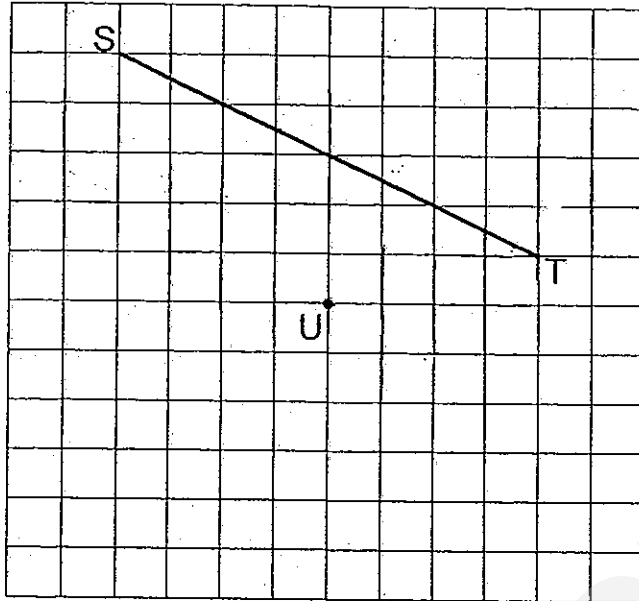
Ans: \_\_\_\_\_ m



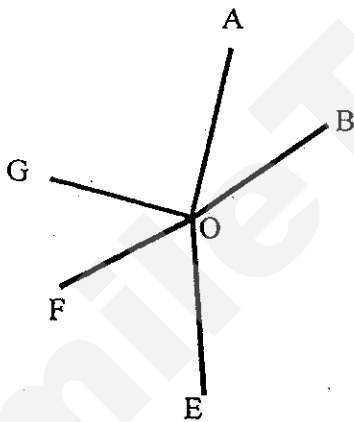
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System developed by -- lule -- 0752697211, [info@schoolporto.com](mailto:info@schoolporto.com)

19. Draw a line parallel to Line ST passing through point U.

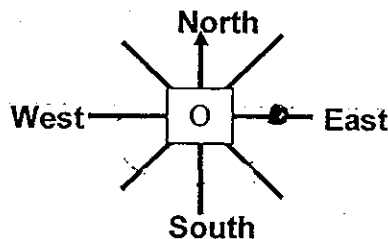


20. All the lines in the figure shown below meet at the center, Point O. Name the right angle in the figure below.



Ans:  $\angle$  \_\_\_\_\_

21. Peter is standing at Point O and facing East. He then made a  $225^\circ$  turn in a clockwise direction. Which direction will he face after the turn?



Ans: \_\_\_\_\_

22. Arrange the following fractions in ascending order.

$$2\frac{1}{3}, 1\frac{4}{7}, 1\frac{1}{4}, 2\frac{1}{8}$$

Ans: \_\_\_\_\_

23. Alice had 144 buttons.  $\frac{1}{6}$  of them were pink and the rest were red.  
How many red buttons did she have?

Ans: \_\_\_\_\_

24. Eric exchanged a \$10 note and a \$2 note for 24 coins. All the coins had the same value. What was the value of each coin?

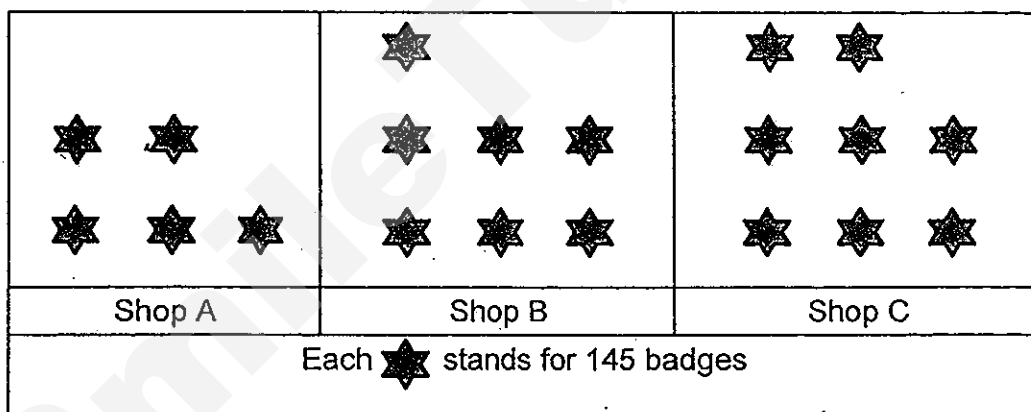
Ans: \$\_\_\_\_\_

25. Using five out of the six cards given below, form the smallest 5-digit even number. (Do not start with 0)



Ans: \_\_\_\_\_

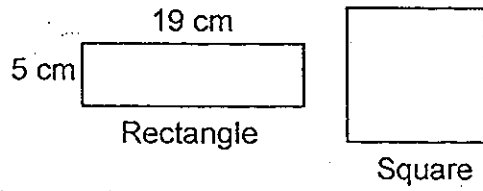
26. The picture graph below shows the number of badges sold at three shops.



Find the total number of badges sold at the three shops.

Ans: \_\_\_\_\_

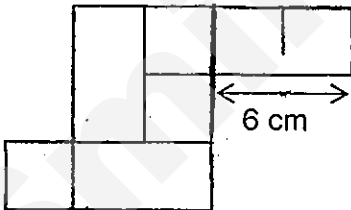
27. The rectangle and the square shown below have the same perimeter.



Find the length of each side of the square.

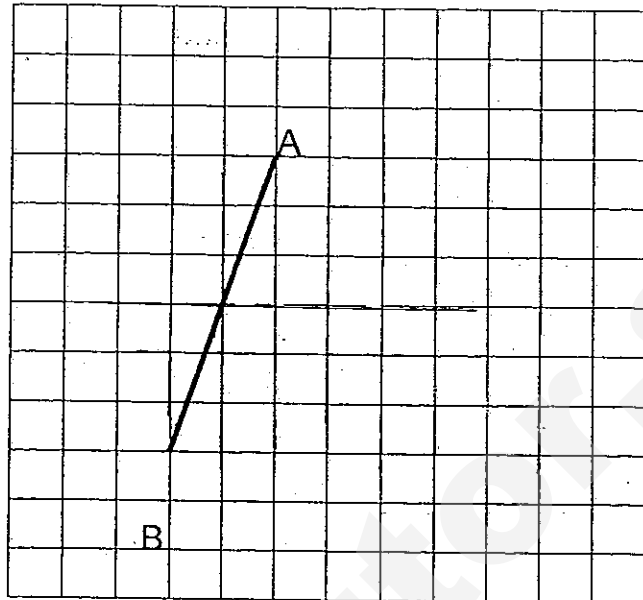
Ans: \_\_\_\_\_ cm

28. The figure below is made up of three identical rectangles and three identical squares. Find the perimeter of the figure.



Ans: \_\_\_\_\_ cm

29. Draw a line perpendicular to AB in the grid below from A.



30. Complete the following pattern:



Ans: A is \_\_\_\_\_

B is \_\_\_\_\_



31. What is the missing number in the box?

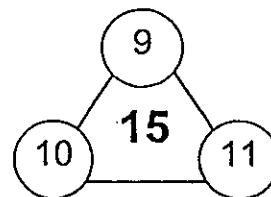
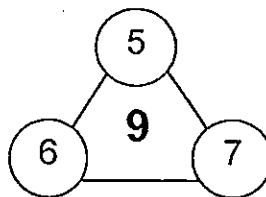
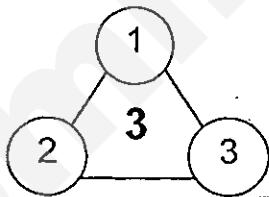
$$\frac{22}{6} = 3 \frac{\boxed{?}}{3}$$

Ans: \_

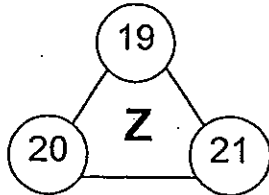
32. Express  $2\frac{1}{3} + 2\frac{1}{2}$  as a mixed number.

Ans: \_

33. Study the figures given below.



What is the number represented by Z?



Ans: \_



34.  $\frac{4}{9}$  of the marbles are blue and  $\frac{1}{5}$  of the remainder are yellow. The rest are green. What fraction of the marbles is green?

Ans: \_\_\_\_\_

35. Mr. Ong bought  $\frac{4}{5}$  kg of sugar on Sunday. He used  $\frac{1}{5}$  kg of sugar on Monday and  $\frac{1}{10}$  kg more on Tuesday than on Monday. How much sugar had he left?

Ans: \_\_\_\_\_ kg

**SECTION C (35 marks)**

For question 36 to 44, show your working clearly in the space provided below each question and write your answer with suitable units in the spaces provided. All diagrams are not drawn to scale. Answers in fractions must be expressed in the simplest form. Marks will be awarded for relevant working. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

---

36. Helen has 462 stamps. Ken has 728 stamps.  
How many stamps must Ken give to Helen so that they have the same number of stamps?

Ans: \_\_\_\_\_ [3]

37. Samuel bought some hotdogs. He used  $\frac{1}{4}$  of them on Friday for his BBQ and  $\frac{1}{2}$  of the remaining hotdogs on Saturday. On Sunday, he used the remaining 96 hotdogs. How many hotdogs did he use on Friday?

Ans: \_\_\_\_\_ [3]



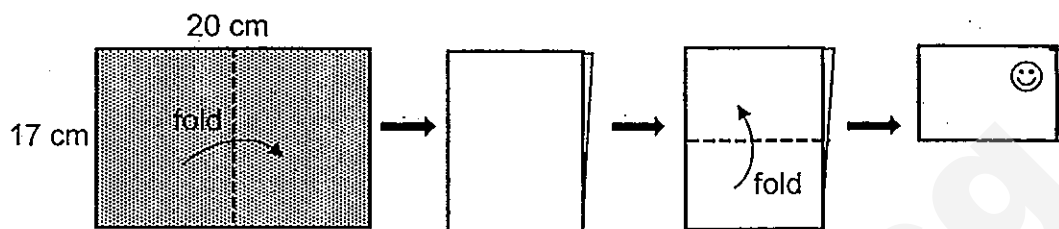
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38. Yani wants to divide 48 blue marbles and 80 yellow marbles equally and place them into some bags.  
The number of blue and yellow marbles in each bag is different.  
All the bags must have the same number of marbles of each colour.
- (a) What is the greatest number of bags of marbles Yani can get?
  - (b) What is the total number of marbles in each bag?

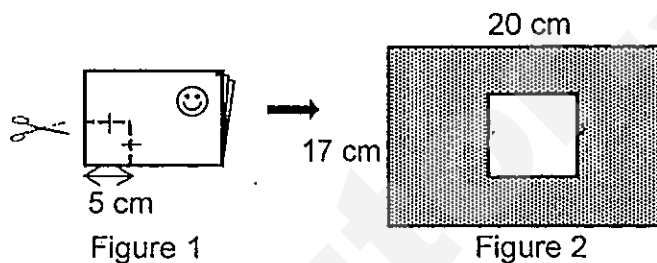
Ans: (a) \_\_\_\_\_ [2]

(b) \_\_\_\_\_ [1]

39. Eien has a piece of rectangular paper measuring 20 cm by 17 cm. He folded the paper into halves two times as shown below.



Eien then made two cuts each measuring 5 cm as shown in Figure 1 below.



Find the remaining area of the paper as shown in Figure 2.

Ans: \_\_\_\_\_ [4]



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40. Joanne saves 50 cents in week 1 and \$1 in week 2.  
Every week, she saves 50 cents more than the previous week.  
How much will she have at the end of week 6?

Ans: \_\_\_\_\_ [4]

41. Daniel bought 9 bags of cookies. In each bag, there were 15 cookies. He then packed all the cookies into 3 boxes. The first box contained twice the number of cookies as the second box. The third box contained 41 less cookies than the second box. How many cookies were there in the second box?

Ans: \_\_\_\_\_ [4]



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42. Anna has \$130. She wants to buy an equal number of books and pens at a book fair. A book cost \$7 each and a pen cost \$2 each.
- a) What is the greatest total number of books and pens she can buy?
  - b) How much more money will she need if she wants to buy another 4 more books?

Ans: (a) \_\_\_\_\_ [2]

(b) \_\_\_\_\_ [2]



43.

Jason and Alex are stamp collectors.  $\frac{1}{4}$  of Jason's number of stamps is the same as  $\frac{2}{5}$  of Alex's number of stamps. If Jason has 108 more stamps than Alex,

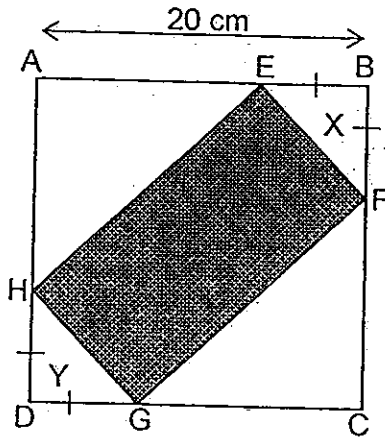
- a) How many stamps does Alex have?
- b) How many stamps must Jason give Alex for both of them to have an equal number of stamps?

Ans: a) \_\_\_\_\_ [3]

b) \_\_\_\_\_ [2]



44. In the figure below, ABCD is a 20 cm-square and EFGH is a rectangle. The total area of triangles X and Y is  $64 \text{ cm}^2$ . Find the area of rectangle EFGH.



Ans: \_\_\_\_\_ [5]

-End of Paper-

Please check your work carefully ☺

Setters: Mr. Johnson Ong  
Ms. Aubrey Ong

# ANSWER SHEET

**EXAM PAPER 2013**

**SCHOOL : RAFFLES GIRLS'**

**SUBJECT : PRIMARY 4 MATHEMATICS**

**TERM : SA1**

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 4  | 2  | 4  | 2  | 4  | 2  | 4  | 3  | 2  | 2   | 2   | 1   | 1   | 2   | 3   |

16) 12906

17) 30668

18) 6m

19)

20)  $\angle GOA$

21) North-West

22)  $1\frac{1}{4}$ ,  $\frac{14}{7}$ ,  $\frac{21}{8}$ ,  $\frac{21}{3}$

23) 120

24) \$0.50

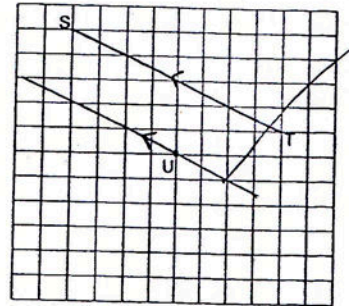
25) 20348

26) \$2900

27) 12cm

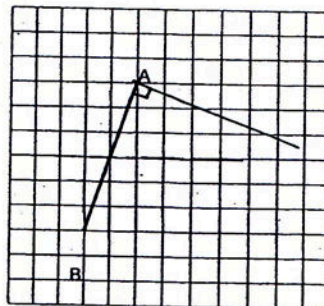
28) 48cm

29)



30) A is ↓

B is (



31) 2

32)  $\frac{25}{6}$

33) 30

34)  $\frac{4}{9}$

35)  $\frac{3}{10}$  kg

36)  $462 + 728 = 1190$

$190 \div 2 = 595$

$595 - 462 = 133$

Ken must give 133 stamps to Helen.

37)  $96 \div 3 = 32$

$32 \times 2 = 64$

38)a) 16 bags

b) 8

39)  $20 \times 17 = 340$

$10 \times 10 = 100$

$340 - 100 = 240$

The remaining area is 240cm<sup>2</sup>

40) W1 → 50c

W2 → \$1

W3 → \$1.50

W4 → \$2

W5 → \$2.50

W6 → \$3

$\$1.50 + \$4.50 + \$3 = \$9.00$

41)  $135 + 41 = 176$

$176 \div 4 = 44$

There are 44 cookies in the second box.

42)a)  $7 + 2 = 9$

$130 \div 9 = 14 \text{ R}4$

$14 \times 2 = 28$

She can buy 28 books and pens.

b)  $7 \times 3 = 21$

$21 + 7 = 28$

$28 - 4 = 24$

She would need \$24

43)a)  $3u \rightarrow 108$

$1u \rightarrow 108 \div 3 = 36$

$5u \rightarrow 36 \times 5 = 180$

b)  $108 \div 2 = 54$

44)  $64 \div 2 = 32$   
 $32 \times 2 = 64$   
 $64 = 8 \times 8$   
 $20 - 8 = 12$   
 $12 \times 12 = 144$   
 $144 + 64 = 208$   
 $20 \times 20 = 400$   
 $400 - 208 = 192$   
The area is  $192\text{cm}^2$

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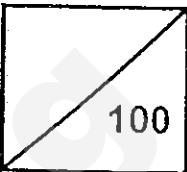


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Rosyth School  
First Semestral Assessment 2013  
Mathematics  
Primary 4

Total  100

Name: \_\_\_\_\_

Class: Pr 4-\_\_\_\_\_ Register No. \_\_\_\_\_

Duration: 1h 45 min

Date: 14 May 2013

Parent's Signature: \_\_\_\_\_

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. This paper consists of 3 parts, Sections A, B and C.
4. For questions 1 to 20 in Section A, shade the correct ovals on the Optical Answer Sheet (OAS).
5. ANSWER ALL THE QUESTIONS.

|           | Maximum | Marks Obtained |
|-----------|---------|----------------|
| Section A | 40      |                |
| Section B | 40      |                |
| Section C | 20      |                |
| Total     | 100     |                |

\* This paper consists of 20 pages altogether.

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**Section A (40 marks)**

For questions 1 to 20, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct ovals (1, 2, 3 or 4) onto the Optical Answer Sheet provided. Each question carries 2 marks.

---

1. In 24 589, the digit '2' stands for \_\_\_\_\_.
- (1) 2 tens
  - (2) 20 tens
  - (3) 200 tens
  - (4) 2 000 tens
2. Which of the following is a multiple of 12?
- (1) 74
  - (2) 96
  - (3) 3
  - (4) 4
3.  $89 \times 47$  is the same as \_\_\_\_\_.
- (1)  $8 \times 47 + 9 \times 47$  ✗
  - (2)  $89 \times 4 + 89 \times 7$  ✗
  - (3)  $80 \times 40 + 9 \times 7$  ✓
  - (4)  $89 \times 40 + 89 \times 7$  ✗
4.  $4\frac{7}{8}$  expressed as an improper fraction is \_\_\_\_\_.
- |                    |                    |
|--------------------|--------------------|
| (1) $\frac{28}{8}$ | (2) $\frac{36}{8}$ |
| (3) $\frac{39}{8}$ | (4) $\frac{47}{8}$ |



5. Which of the following is not an equivalent fraction of  $\frac{2}{3}$ ?

(1)  $\frac{6}{9}$

(2)  $\frac{8}{12}$

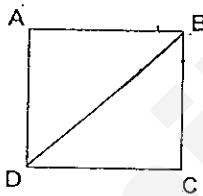
(3)  $\frac{10}{15}$

(4)  $\frac{12}{15}$

6. Which of the following is not true for a rectangle?

- (1) The opposite sides are equal
- (2) The opposite sides are parallel
- (3) The sides that meet do not always form perpendicular lines
- (4) All angles are right angles

7. Figure ABCD is a square. Name the angle that is  $45^\circ$



- (1)  $\angle BCD$
- (2)  $\angle CBA$
- (3)  $\angle CDB$
- (4)  $\angle BAD$

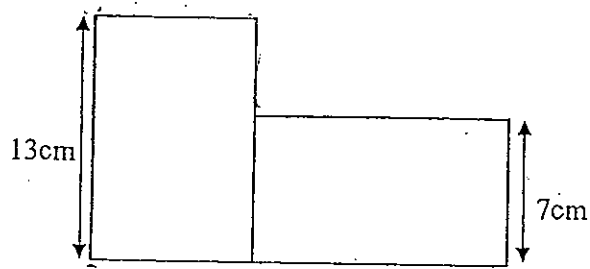
Study the table below and use the information to answer questions 8 and 9.

The table below shows how a group of students come to school.

|       | Public Bus | School Bus | Private Transport | Walking |
|-------|------------|------------|-------------------|---------|
| Boys  | 8          | 11         | 3                 | 7       |
| Girls | 10         | 5          | 12                | 12      |

8. Most of the students come to school by \_\_\_\_\_.
- (1) Walking
  - (2) School Bus
  - (3) Private Transport
  - (4) Public Bus
9. Instead of taking the public bus, 2 girls decided to take the school bus to school. The least number of the students come to school by \_\_\_\_\_.
- (1) Walking
  - (2) School Bus
  - (3) Private Transport
  - (4) Public Bus

10. The figure below is made up of 2 identical rectangles.

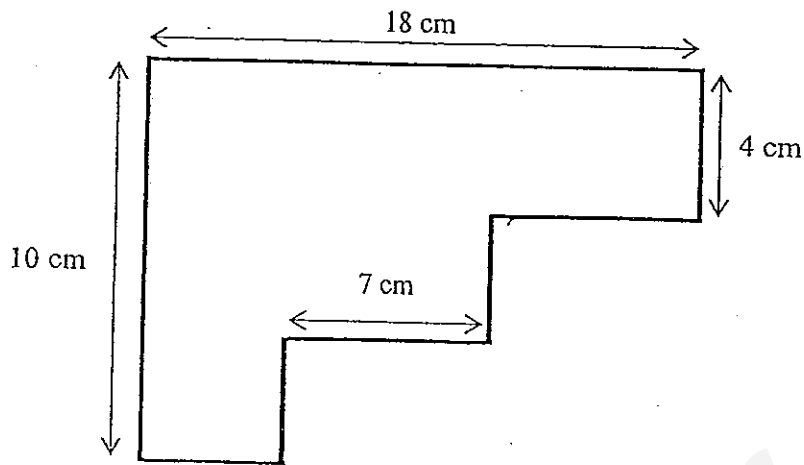


What is the perimeter of the figure?

- (1) 20 cm
  - (2) 66 cm
  - (3) 73 cm
  - (4) 80 cm
11. 59 000 is obtained by rounding off \_\_\_\_\_ to the nearest hundred.
- (1) 58 099
  - (2) 58 499
  - (3) 59 049
  - (4) 59 100
12. Find the product of 46 and 239.
- (1) 285
  - (2) 2 390
  - (3) 10 994
  - (4) 12 194



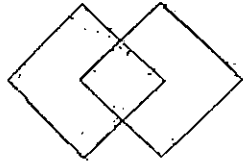
16. The figure below is not drawn to scale.



What is the perimeter of the figure?

- (1) 39 cm
  - (2) 45 cm
  - (3) 56 cm
  - (4) 61 cm
17. Mr Tan's age is a multiple of 8 this year. Next year, his age will be a multiple of 7. How old is he this year?
- (1) 40
  - (2) 42
  - (3) 45
  - (4) 48

18. Adil used a wire and made two identical squares. He placed the squares over one another and formed a figure with a smaller square in the middle. How many right angles are there in the figure he formed?



- (1) 6  
(2) 8  
(3) 12  
(4) 14
19. Sue received her salary for the month of June. She gives  $\frac{2}{5}$  of her money to her mother. If she gave her mother \$208, how much was her salary for the month of June?
- (1) \$104  
(2) \$416  
(3) \$520  
(4) \$1 040
20. Betty spent \$46 on 17 pens and pencils. Each pen costs \$3 and each pencil costs \$2. How many pencils did she buy?
- (1) 5  
(2) 7  
(3) 3  
(4) 12

**Section B (40 marks)**

For questions 21 to 40, show your working clearly in the space below each question and write your answer in the answer boxes provided. Give your answers in the units stated. Each question carries 2 marks.

21. Find the greatest **odd** number that can be formed with all of the following digits : 6, 9, 3, 0 and 8

22. The third common multiple of 4 and 6 is \_\_\_\_\_.

23. The quotient when 5 688 is divided by 9 is \_\_\_\_\_.

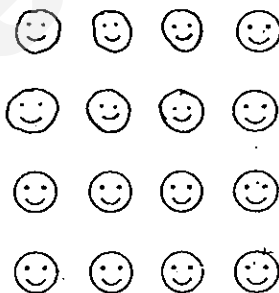
24. Find the number in box below.

$$\begin{array}{r} \phantom{x} \phantom{2} \phantom{5} \phantom{1} \phantom{6} \\ \phantom{x} \phantom{2} \phantom{5} \phantom{1} \phantom{6} \\ \phantom{x} \phantom{2} \phantom{5} \phantom{1} \phantom{6} \\ \phantom{x} \phantom{2} \phantom{5} \phantom{1} \phantom{6} \\ \phantom{x} \phantom{2} \phantom{5} \phantom{1} \phantom{6} \\ \hline x \phantom{2} \phantom{5} \phantom{1} \phantom{6} \phantom{6} \phantom{8} \\ \phantom{2} \phantom{5} \phantom{1} \phantom{6} \phantom{6} \phantom{8} \\ \hline 2 \phantom{5} \phantom{1} \phantom{6} \phantom{6} \phantom{8} \\ \hline \end{array}$$

25. Express  $4\frac{3}{7}$  as an improper fraction.

26. Simplify  $1\frac{7}{9} - \frac{2}{3}$ .

27. Shade  $\frac{3}{8}$  in the following diagram below.



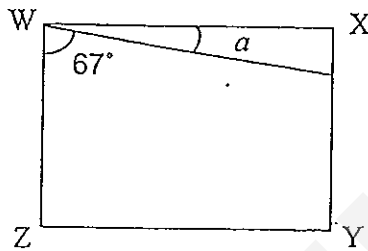
28. A number is 260 when rounded off to the nearest 10. What could be the greatest value of the original number?



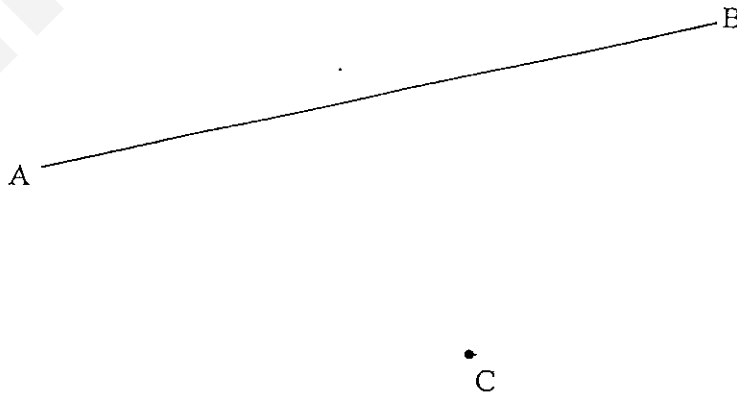
29. The length of a garden is twice its breadth. The perimeter of the garden is 24m. Find the length of the garden.

m

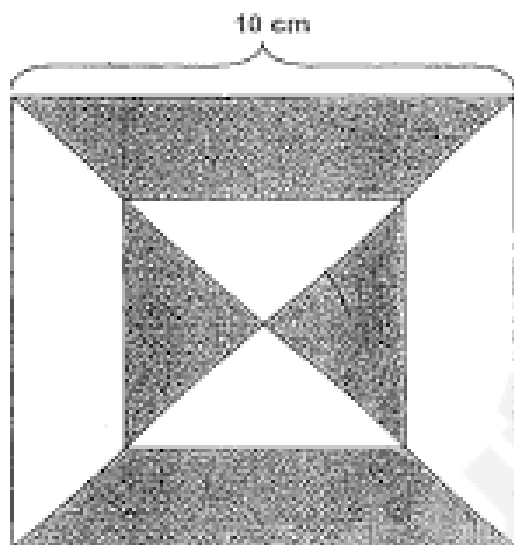
30. In the figure below (not drawn to scale), WXYZ is a rectangle. Find the value of  $\angle a$ .



31. Using your set squares, draw a line that is parallel to the given line AB through point C.



32. A bigger square and a smaller square were used to form the figure below.  
Find the area of the shaded parts.


  $\text{cm}^2$ 

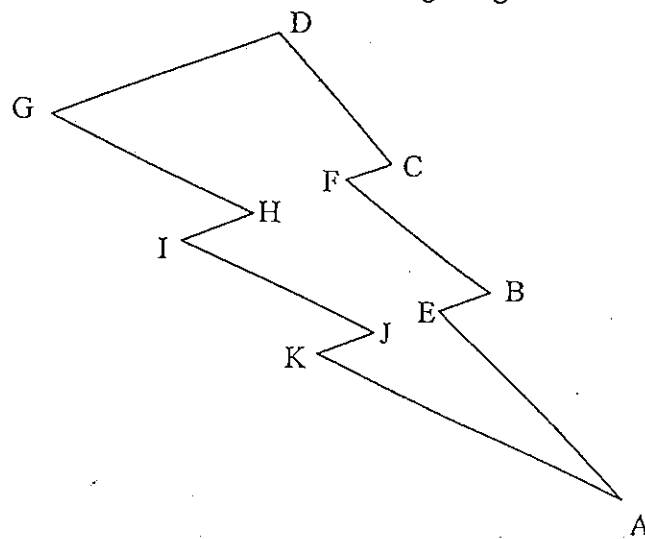
33. Leo had \$210. He donated  $\frac{1}{7}$  of it to charity. How much had he left?

 \$

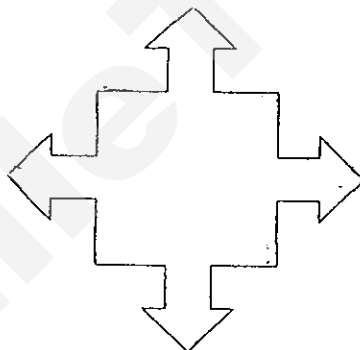
34. Mrs. Tang used  $\frac{3}{7}$  of oil to cook her meal and had 640 ml left. How much oil did she have at first?

 ml

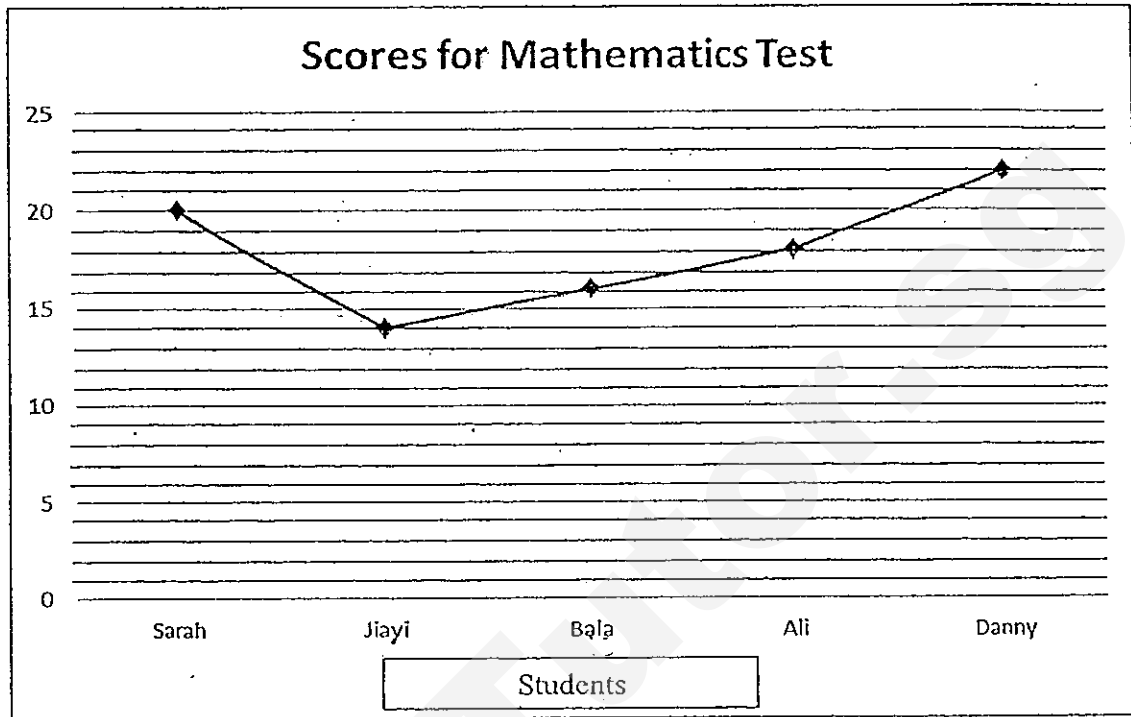
35. Name a pair of parallel lines in the figure given below.




36. How many right angles are there in the figure below?



Study the graph below and use the information to answer question 37 and 38.



37. If the maximum score for this test is 25 marks, what fraction of the score did Sarah get? Give your answer in the simplest form.

38. What is the difference between the student that scored the highest and the student that scored lowest in this test?

39. Helen bought some butter. She used  $\frac{3}{5}$  of it and had 800g left.  
How much butter did she buy? Leave your final answer in kg.

40. A storybook has 125 pages. Willy read 50 pages of the storybook on Monday and 45 pages on Tuesday. What fraction of the storybook had he not read?

**Section C (20 marks)**

For questions 41 to 45, show your working clearly in the space below each question and write your answers in the blanks provided. The marks for each question or part question are given in the brackets.

41. Desmond earns \$5 285 a month. He earns 5 times as much as Sally. How much do they earn altogether in a month?

Answer: \_\_\_\_\_ (4 m)

42. A shopkeeper buys 167 cartons of drinks. Each carton has 24 cans of drinks. He then packs the drinks boxes of 6 cans each. If he sells away 236 boxes, how many boxes of drinks has he left?

Answer: \_\_\_\_\_ (4 m)

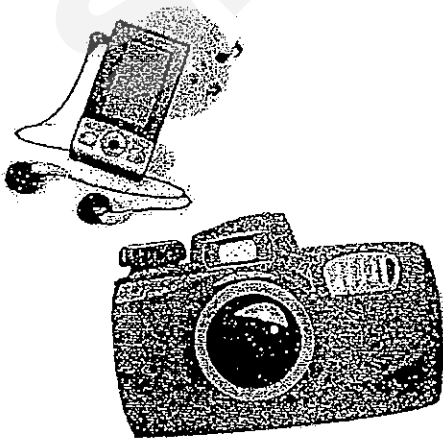
43. Jamie wanted to buy some cakes and pizzas for a party. One cake cost as much as 2 pizzas. If she bought 2 cakes and 5 pizzas for \$252, what is the cost of a cake?



Answer: \_\_\_\_\_ (4 m)



44. Rajah had some amount of money at first. He spent  $\frac{2}{5}$  of his money on a music player and  $\frac{1}{3}$  of it on a camera. If he had \$144 left, how much did he have at first?



Answer: \_\_\_\_\_ (4m)

45. Kathy had 108 stamps. She gave  $\frac{2}{9}$  of her stamps to Hannah and 69 stamps to Sarah. How many stamps had she left?

Answer: \_\_\_\_\_ (4 m)

~END OF PAPER~

*Have you checked your work thoroughly?*

# ANSWER SHEET

EXAM PAPER 2013

SCHOOL : ROSYTH SCHOOL

SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA1

|    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 | Q16 | Q17 |
| 4  | 2  | 4  | 3  | 4  | 4  | 3  | 1  | 3  | 2   | 3   | 3   | 2   | 3   | 2   | 3   | 4   |

|     |     |     |
|-----|-----|-----|
| Q18 | Q19 | Q20 |
| 4   | 3   | 3   |

## Section B

Q21) 98603

Q22) 36

Q23) 632

Q24) 7

Q25)  $31/7$

Q26)  $1 \frac{1}{9}$

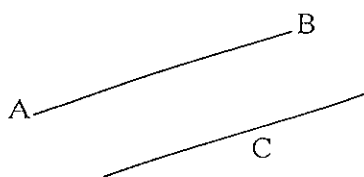
Q27)

Q28) 264

Q29) 8

Q30)  $23^\circ$

Q31)



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- Q32)  $20\text{cm}^2$   
Q33) \$180  
Q34) 1120ml  
Q35) GD//IH//FC//KJ//EB//GH//IJ//KA  
Q36) 8  
Q37)  $\frac{4}{5}$   
Q38) 8  
Q39) 2  
Q40)  $\frac{6}{25}$

### Section C

- Q41)  $5285 \div 5 = 1057$   
 $5285 + 1057 = 6342$   
They both earn \$6342 altogether in a month.

- Q42)  $167 \times 24 = 4008$   
 $4008 \div 6 = 668$   
 $668 - 236 = 432$   
He left 432 boxes of drinks.

- Q43)  $2 \times 2 = 4$   
 $5 + 4 = 9$   
 $252 \div 9 = 28$   
 $28 \times 2 = 56$   
The cost of the cake is \$56.

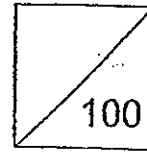
- Q44)  $\frac{1}{3} \times 3 = \frac{3}{9}$   
 $\frac{3}{9} + \frac{4}{9} = \frac{7}{9}$   
 $\frac{9}{9} - \frac{7}{9} = \frac{2}{9}$   
 $\frac{2}{9} = 144$   
 $\frac{1}{9} = 72$   
 $72 \times 9 = 648$   
He had \$648 at first



SINGAPORE CHINESE GIRLS' SCHOOL (PRIMARY)  
FIRST SEMESTRAL ASSESSMENT 2013  
PRIMARY 4  
MATHEMATICS

Name: \_\_\_\_\_ ( )

Marks:



Class: Primary 4SY / C / G / SE / P

Time: 1 h 45 min

Parent's Signature: \_\_\_\_\_

**Section A: ( 30 marks )**

Questions 1 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet.

1. Which one of the following is equal to 3700?

- (1) 37 ones
- (2) 37 tens
- (3) 37 hundreds
- (4) 37 thousands

2. Round off 19 499 to the nearest hundred:

- (1) 19 000
- (2) 19 400
- (3) 19 500
- (4) 20 000

3. Which of the following is not a common factor of 12 and 16?

- (1) 1
- (2) 2
- (3) 3
- (4) 4



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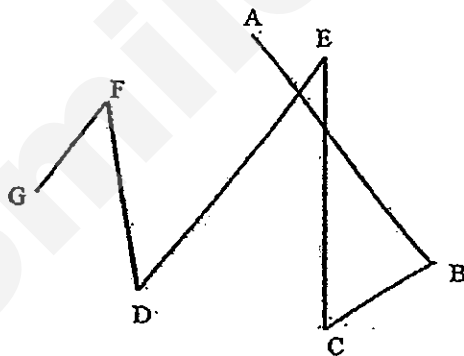
4. I am a number between 20 and 40. I am a multiple of 4.  
What number am I?

- (1) 16
- (2) 28
- (3) 34
- (4) 48

5. Round off each number to the nearest ten. Then estimate the value of  
 $105 - 14 - 55$ .

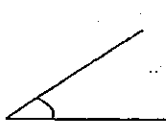
- (1) 20
- (2) 30
- (3) 40
- (4) 50

6. Which line in the figure below is parallel to GF?



- (1) AB
- (2) BC
- (3) CD
- (4) DE

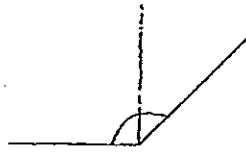
7. Which one of the following angles is greater than a right angle?



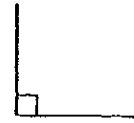
A



B



C



D

- (1) A
- (2) B
- (3) C
- (4) D

8. How many quarters are there in  $7\frac{1}{2}$  ?

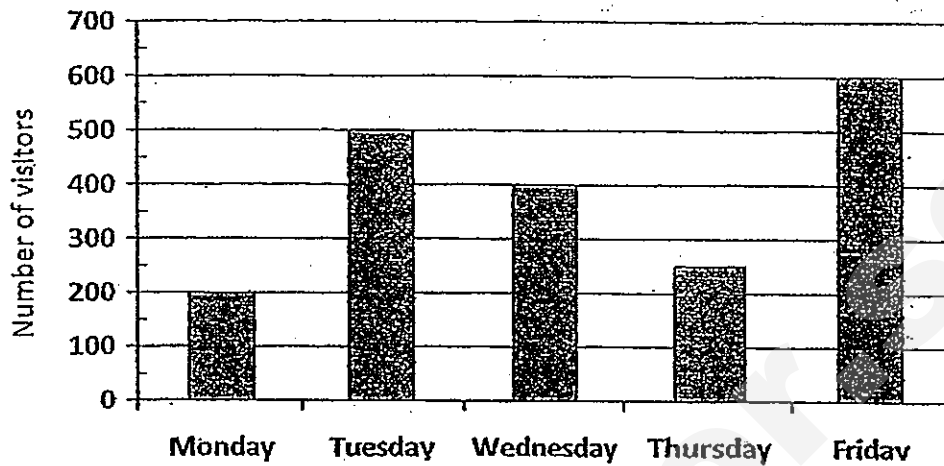
- (1) 14
- (2) 15
- (3) 28
- (4) 30

9. A mango cost \$2. A box of 3 mangoes cost \$5. Ling Ling bought 13 mangoes altogether. What was the least amount of money that she paid for the mangoes?

- (1) \$17
- (2) \$20
- (3) \$22
- (4) \$26

The graph below shows the number of people who visited a library from Monday to Friday. Study it carefully and answer Questions 10 and 11.

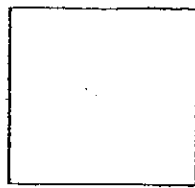
Visitors to a library



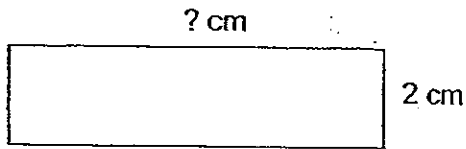
10. How many people visited the library on Monday, Tuesday and Thursday?
- (1) 850
  - (2) 950
  - (3) 1100
  - (4) 1950
11. The number of people who visited the library on Tuesday was twice as many as on \_\_\_\_\_.
- (1) Monday
  - (2) Wednesday
  - (3) Thursday
  - (4) Friday



12. The length of each side of the square is 6 cm.  
It has the same perimeter as the rectangle.  
Find the length of the rectangle.



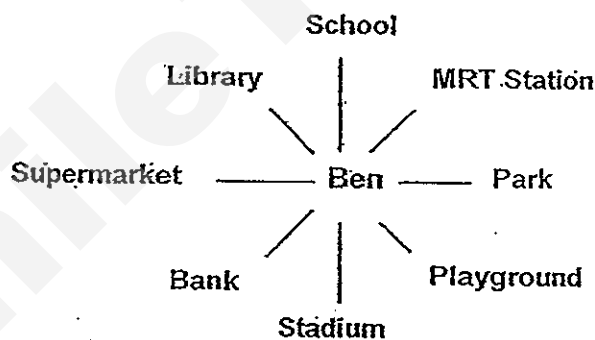
square



rectangle

- (1) 10 cm
- (2) 12 cm
- (3) 18 cm
- (4) 24 cm

13. After turning  $135^\circ$  anti-clockwise, Ben is now facing the Stadium.  
Which place was he facing at first?



- (1) Park
- (2) MRT Station
- (3) Library
- (4) Supermarket

14. Shannon had exactly enough money to buy 12 files. She bought 8 files and had \$12 left. How much money did she have at first?

- (1) \$20
- (2) \$24
- (3) \$36
- (4) \$48

15. There were 5 pupils in a group. Each pupil shook hands with each of the other pupils once. How many handshakes were there?

- (1) 5
- (2) 10
- (3) 15
- (4) 25

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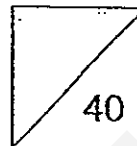


SINGAPORE CHINESE GIRLS' SCHOOL (PRIMARY)  
FIRST SEMESTRAL ASSESSMENT 2013

PRIMARY 4  
MATHEMATICS

Name : \_\_\_\_\_ ( )

Class: Primary 4SY / C / G / SE / P



**Section B: ( 40 marks )**

Questions 16 to 35 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

16. Write 40 812 in words.

\_\_\_\_\_  
\_\_\_\_\_

Do not write  
in this column

17. Fill in the blank with the correct number in the number pattern below.

19 704 , 19 854 , \_\_\_\_\_ ? \_\_\_\_\_ , 20 154 , 20 304

Ans : \_\_\_\_\_

18.  $536 \times 25 =$

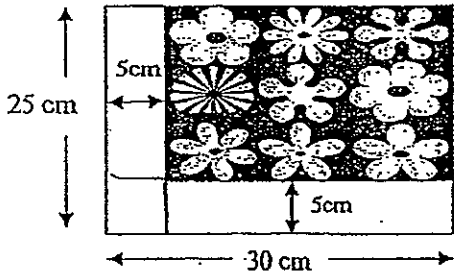
Ans : \_\_\_\_\_





23. Mandy pasted a picture on a construction paper with a 5-cm border as shown below. The length of the construction paper is 30 cm and the breadth is 25 cm. Find the area of the picture. (Figure not drawn to scale)

Do not write  
in this column

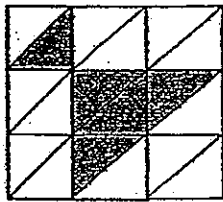


Ans : \_\_\_\_\_ cm<sup>2</sup>

24. A school bag costs three times as much as a pencil case. The school bag costs \$24. How many pencil cases can be bought with \$104?

Ans : \_\_\_\_\_

25. The figure is made up of similar triangles.



How many more triangles must be shaded to show that  $\frac{2}{3}$  of the figure is shaded?

Ans : \_\_\_\_\_

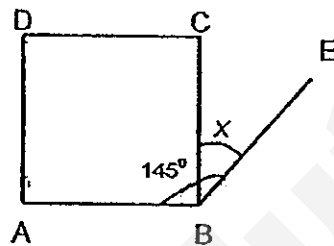


26.  $4 - \frac{1}{8} - \frac{3}{4} = \square$

Do not write  
in this column

Ans : \_\_\_\_\_

27. The figure below is not drawn to scale. ABCD is a square.  $\angle ABE = 145^\circ$ . Find  $\angle x$ .



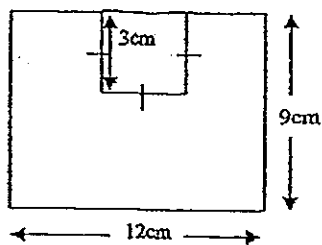
Ans : \_\_\_\_\_<sup>o</sup>

28. Mrs Wong bought 5 kg of longans. She kept  $\frac{1}{2}$  of it for her family, ate  $\frac{1}{4}$  kg and gave the rest to her neighbours. How many kilograms of longans did she give to her neighbours?

Ans : \_\_\_\_\_ kg

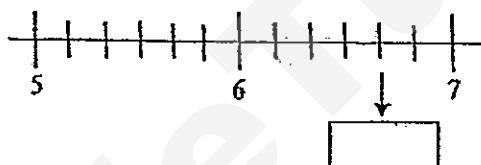


29. The figure below is not drawn to scale. Find the perimeter of the figure.  
(All lines meet at right angles)



Ans: \_\_\_\_\_ cm

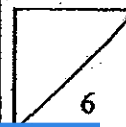
30. What is the missing value in the box?  
Express your answer in its simplest form.



Ans: \_\_\_\_\_

31. The perimeter of a square is 28cm. Find its area.

Ans : \_\_\_\_\_ cm<sup>2</sup>



32. Fatimah had 9 erasers fewer than Wei Ling. She gave 12 erasers to Wei Ling. How many more erasers would Wei Ling have than Fatimah?

Do not write  
in this column

Ans : \_\_\_\_\_

33. Toh Tuck had 5 times as much money as May Ling. After Toh Tuck spent \$155 and May Ling spent \$19, they had the same amount of money left. How much money did May Ling have at first?

Ans: \$ \_\_\_\_\_

34. 24 coins are used to form the outline of a square. The number of coins on each side of the square is the same. Find the number of coins on each side of the square.

Ans : \_\_\_\_\_





35. Numbers are written under the letters 'MATH' as shown below.

Do not write  
in this column

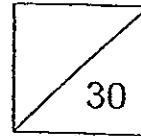
| M   | A   | T   | H   |
|-----|-----|-----|-----|
| 1   | 2   | 3   | 4   |
| 5   | 6   | 7   | 8   |
| 9   | 10  | 11  | ... |
| ... | ... | ... | ... |

Name the letter of the column in which the number 999 will appear.

Ans : \_\_\_\_\_

Name : \_\_\_\_\_ ( )

Class: Primary 4 SY / C / G / SE / P



**Section C: (30 marks)**

For questions 36 to 43, show your working clearly in the space provided for each question and write your answer in the space provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

36. The sum of two whole numbers is 21. The smaller number is  $\frac{3}{4}$  of the bigger number. Find the value of the bigger number.

Do not write  
in this column

Ans: \_\_\_\_\_ [3]

37. Four identical squares are arranged to form one big rectangle as shown in the figure below. The perimeter of the big rectangle is 70 cm.



What is the perimeter of a rectangle formed with two such squares?



Ans: \_\_\_\_\_ [3]



38. John had 80 more pokemon cards than Bala. After Bala gave away 24 Pokemon cards, John had 3 times as many Pokemon cards as Bala. How many Pokemon cards did Bala have at first?

Ans: \_\_\_\_\_ [3]

39. Ms Seah bought two packets of pencils.  
There are 37 pencils in packet A and 65 pencils in packet B.  
How many more pencils should she remove from packet B to be put into packet A so that packet B has 10 more pencils than packet A?

Ans: \_\_\_\_\_ [3]



Do not write  
in this column

40. Wendy had four times as many stamps as Kelly. After Wendy had given Kelly 30 stamps, they had an equal number of stamps. How many stamps did they have altogether?

Ans: \_\_\_\_\_ [4]



Do not write  
in this column

41. Lena, Nana and Mona collected a total of 258 beads. Nana collected 40 more beads than Lena while Mona collected 16 beads less than Lena. How many beads did Lena collect?

Ans: \_\_\_\_\_ [4]



42. Olivia spent  $\frac{3}{8}$  of her money on some clothes and  $\frac{1}{4}$  of her money on a bag.  
She had \$36 left.

- (a) What fraction of her money was left?
- (b) How much money did Olivia have at first?

Ans: a) \_\_\_\_\_ [2]

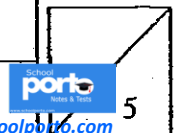
b) \_\_\_\_\_ [3]



43. Mr Wang sold a total of 40 papayas and durians for \$368.  
Each papaya was sold for \$8 and each durian was sold for \$10.  
How many papayas did he sell?

Ans: \_\_\_\_\_ [5]

END OF PAPER



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# ANSWER SHEET

**EXAM PAPER 2013**

**SCHOOL : SINGAPORE CHINESE GIRLS' SCHOOL**

**SUBJECT : PRIMARY 4 MATHS**

**TERM : SA1**

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 3  | 3  | 3  | 2  | 3  | 4  | 3  | 4  | 3  | 2   | 3   | 2   | 3   | 3   | 2   |

Section B

Q16) Forty thousand, eight hundred and twelve

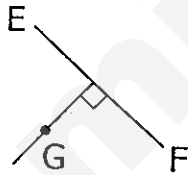
Q17) 20004

Q18) 13400

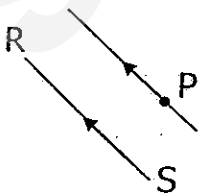
Q19) 1, 2, 4 and 8

Q20)  $\frac{3}{9}$ ,  $\frac{5}{8}$ ,  $\frac{3}{4}$

Q21)



Q22)



Q23)  $500\text{cm}^3$

Q24) 13

Q25) 7

Q26)  $3\frac{1}{8}$

- Q27)  $55^\circ$   
Q28)  $2\frac{1}{4}$   
Q29) 48cm  
Q30)  $6\frac{2}{3}$   
Q31)  $49\text{cm}^2$   
Q32) 33  
Q33) \$15  
Q34) 7  
Q35) T

Section C

- Q36)  $7u \rightarrow 21$   
 $1u \rightarrow 21 \div 7 = 3$   
 $3 \times 4 = 12$  (Ans)
- Q37)  $70\text{cm} \div 10\text{cm} = 7\text{cm}$   
 $7\text{cm} \times 6 = 42\text{cm}$  (Ans)
- Q38)  $3u - 1u = 2u$   
 $2u \rightarrow 24 + 80 = 104$   
 $1u \rightarrow 104 \div 2 = 52$   
 $52 + 24 = 76$  (Ans)
- Q39) Total  $\rightarrow 37 + 65 = 102$   
 $102 - 10 = 92$   
A  $\rightarrow 92 \div 2 = 46$   
 $46 - 37 = 9$  (Ans)
- Q40)  $3u \rightarrow 30 + 30 = 60$   
 $1u \rightarrow 60 \div 3 = 20$   
 $20 \times 5 = 100$  (Ans)
- Q41)  $258 - 56 - 16 = 186$   
 $186 \div 3 = 62$   
 $62 + 16 = 78$  (Ans)
- Q42  
a)  $\frac{3}{8} + \frac{2}{8} = \frac{5}{8}$   
 $\frac{8}{8} - \frac{5}{8} = \frac{3}{8}$  (Ans)

b)  $3/8 \rightarrow \$36$

$1/8 \rightarrow \$36 \div 3 = \$12$

$\$12 \times 8 = \$96$  (Ans)

Q43)

| No of papayas | Cost | No of durians | Cost | Total | Check |
|---------------|------|---------------|------|-------|-------|
| 19            | 152  | 21            | 210  | 362   | X     |
| 15            | 120  | 25            | 250  | 370   | X     |
| 16            | 128  | 24            | 240  | 368   | ✓     |

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### PRIMARY 4 MID-YEAR EXAMINATION 2013

Name : \_\_\_\_\_ ( ) Date: 17 May 2013

Class : Primary 4 ( ) Time: 8.00 a.m. - 9.00 a.m.

Parent's Signature : \_\_\_\_\_ Marks: \_\_\_\_\_ / 100

Paper 1 comprises 2 booklets, A and B.

## **MATHEMATICS**

### **PAPER 1**

**(BOOKLET A)**

Time for Paper 1 is 1 hour.

Do not open this booklet until you are told to do so.

Read and follow all instructions carefully.

Answer all questions.

|                   |    |
|-------------------|----|
| Booklet A         | 20 |
| Booklet B         | 40 |
| Total for Paper 1 | 60 |



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## Paper 1 ( Booklet A )

### Multiple Choice Questions

Questions 1 to 10 carry 2 marks each. (20 marks)

For each question, four options are given. One of them is the correct answer.

Shade the correct oval ( 1 , 2 , 3 or 4 ) on the Optical Answer Sheet.

---

1. What is the value of 9 in 79 214?

- (1) 9
- (2) 90
- (3) 900
- (4) 9 000

2. 43 875 is \_\_\_\_\_ when rounded off to the nearest hundred.

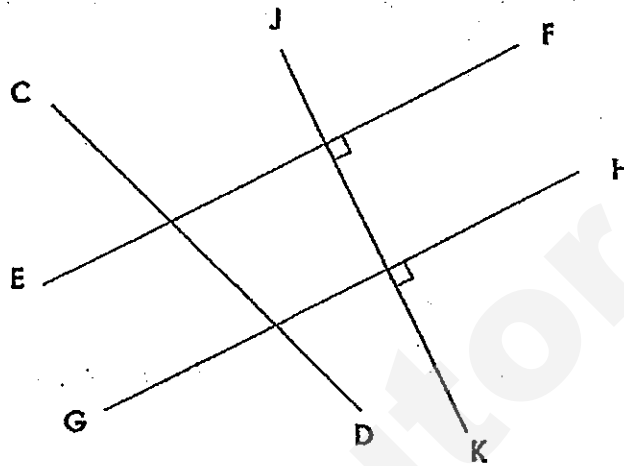
- (1) 43 000
- (2) 43 800
- (3) 43 900
- (4) 44 000

3. In 5 429, what is the value of the digit in the tens place?

- (1) 20
- (2) 30
- (3) 40
- (4) 50

4. 9 is a factor of \_\_\_\_\_.
- (1) 24
  - (2) 51
  - (3) 64
  - (4) 81
5.  $\frac{1}{4}$  of a complete turn is \_\_\_\_\_.
- (1)  $90^\circ$
  - (2)  $180^\circ$
  - (3)  $270^\circ$
  - (4)  $360^\circ$
6. 45 is a common multiple of \_\_\_\_\_.
- (1) 5 and 4
  - (2) 5 and 7
  - (3) 5 and 9
  - (4) 5 and 10
7. The perimeter of a square is 28 cm. What is its area?
- (1)  $7 \text{ cm}^2$
  - (2)  $14 \text{ cm}^2$
  - (3)  $49 \text{ cm}^2$
  - (4)  $196 \text{ cm}^2$

8. The figure below is not drawn to scale.  
Which pair of lines is parallel?



- (1) CD and JK
- (2) EF and GH
- (3) EF and JK
- (4) GH and JK

9.

| Size    | Cost per pizza | Quantity |
|---------|----------------|----------|
| Regular | \$11           | 5        |
| Large   | \$20           | 7        |

Alex bought 5 regular pizzas and 7 large pizzas.

How much change did Alex receive if he gave the pizza deliveryman \$200?

- (1) \$5
- (2) \$9
- (3) \$195
- (4) \$220



10. Jared had 35 marbles left after giving  $\frac{2}{7}$  of them to Bala.

How many marbles did he give to Bala?

- (1) 5
- (2) 7
- (3) 10
- (4) 14

End of Booklet A

## Paper 1 ( Booklet B )

Write your answers in the blanks provided. For questions which require units, give your answers in the units stated. Questions 11 to 30 carry 2 marks each. (40 marks)

11. Write 78 495 in words.

---

---

12. Fill in the missing number.

20 300

20 240

?

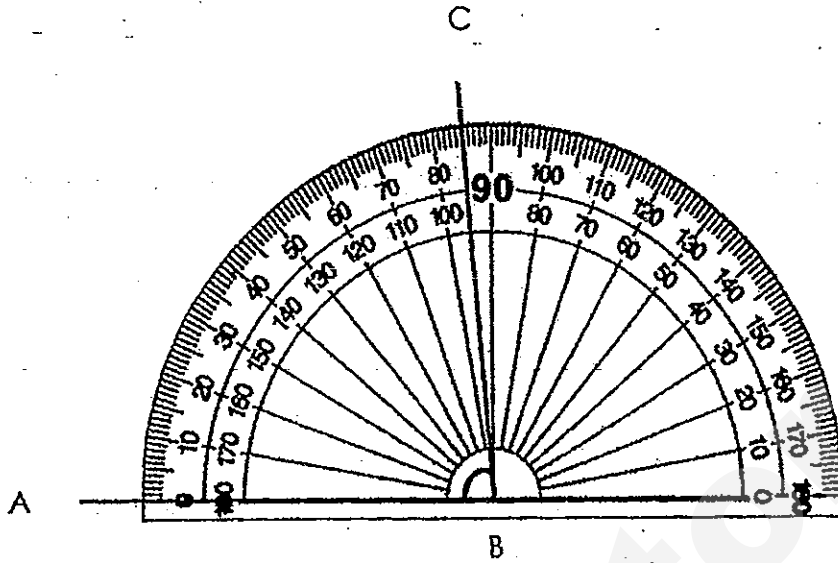
20 120

20 060

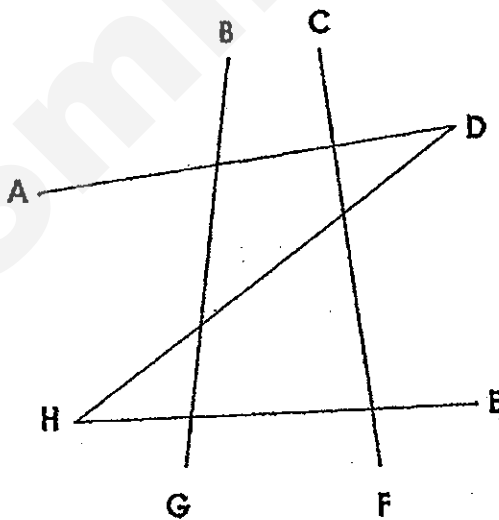
13. Write down the first two common multiples of 4 and 6.

and

14. Find the size of the  $\angle ABC$ .



15. Which line is perpendicular to CF?

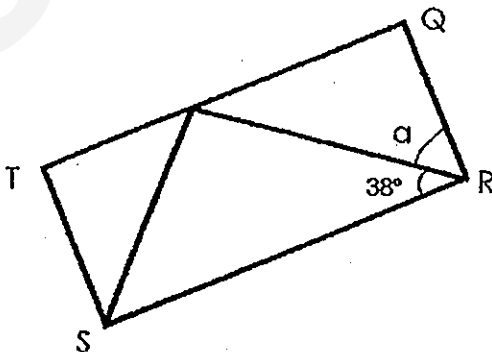


16. What is the quotient when 744 is divided by 8?

17. In a chess club,  $\frac{2}{5}$  of the pupils are boys and the rest are girls. There are 15 girls in the club. Find the total number of pupils in the club.

|  |  |  |  |  |
|--|--|--|--|--|
|  |  |  |  |  |
|--|--|--|--|--|

18. The diagram below is not drawn to scale. QRST is a rectangle. Find  $\angle a$ .



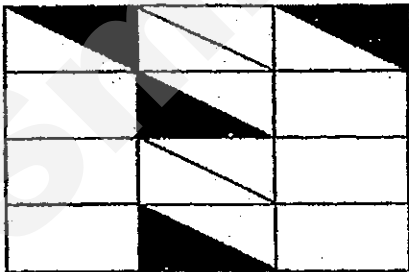
19. 3 books and 2 pens cost \$18. 1 pen costs \$6. Find the cost of 1 book.

\$

20.  $\star + \star + \star = \square + \square$

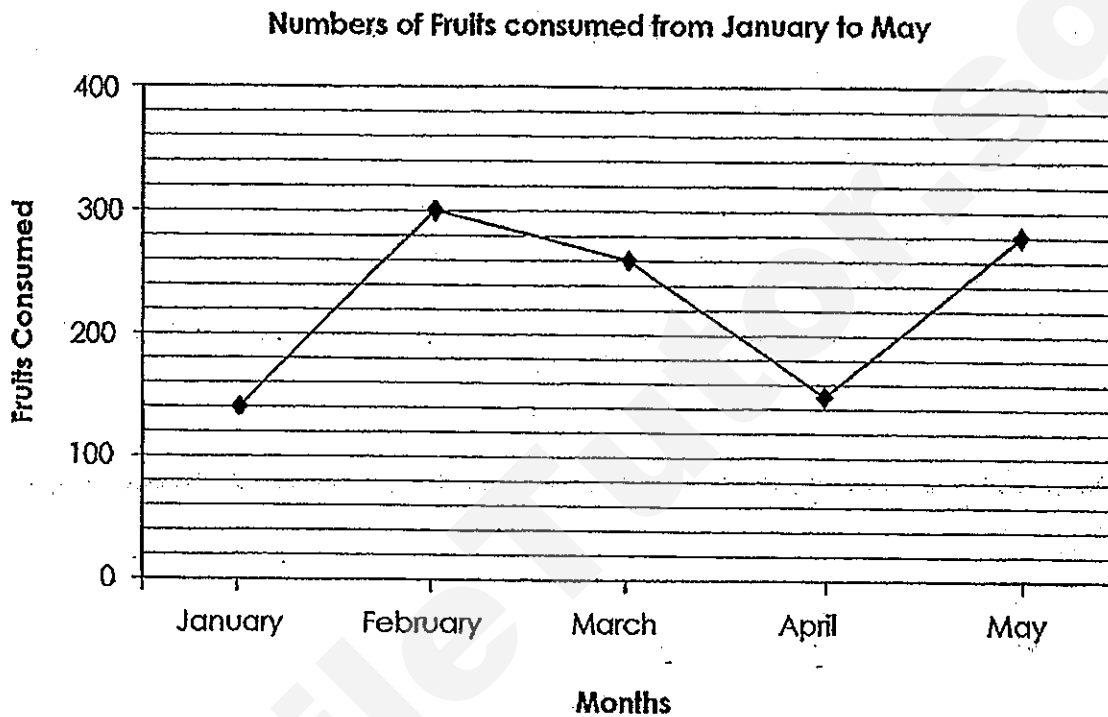
If  $\star$  stands for 40, find the value of  $\star + \square$ .

21. What fraction of the figure below is shaded? Express your answer in its simplest form.



The line graph shows the number of fruits consumed by Primary 4 students in Twinkle Primary School from January 2012 to May 2012.

Study the graph and answer questions 22 and 23.

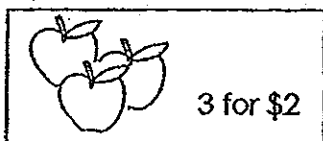


22. There was an increase of \_\_\_\_\_ fruits consumed from April to May.

23. Which 1-month interval showed the greatest decrease in the number of fruits consumed?

24. Convert  $2\frac{4}{9}$  to an improper fraction.

25.

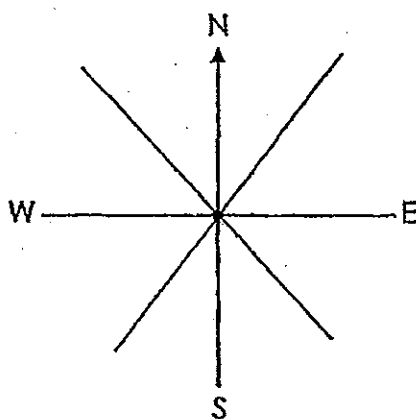


What is the maximum number of apples that Miss Lim can buy with \$9?

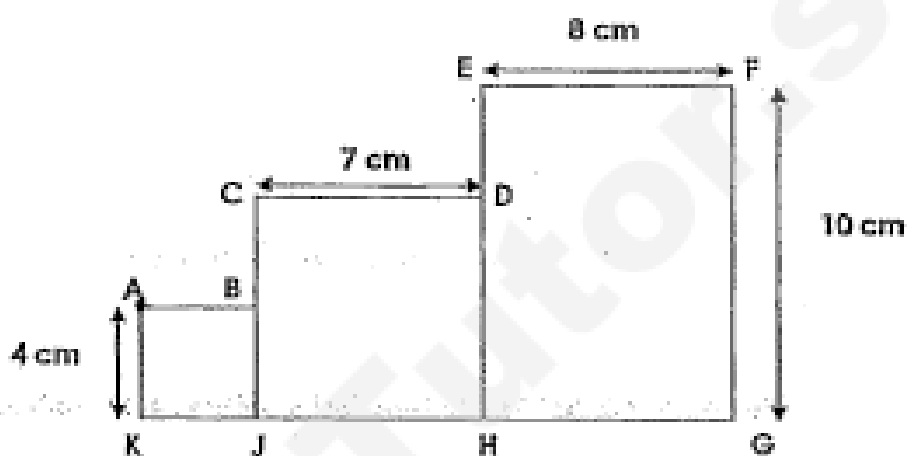
26. A number is greater than 15 but smaller than 20.

It is divisible by 2 and 3. What is this number?

27. Colin is standing at point X and facing North. He makes a  $\frac{1}{4}$  turn in a clockwise direction, followed by a  $\frac{3}{4}$  turn in an anti-clockwise direction. Which direction is he facing now?



28. The figure is made up of 2 squares,  $ABJK$  and  $CDHJ$ , and a rectangle,  $EFGH$ . Find the perimeter of the figure.



cm

29. Find the value of  $\frac{2}{3}$  and  $\frac{5}{6}$ . Express your answer in its simplest form.



30. What is the missing number in the box?

$$\begin{array}{r} \phantom{x} \phantom{8} \phantom{\square} 7 \\ x \phantom{8} \phantom{\square} 6 \\ \hline 5 \phantom{1} 4 2 \end{array}$$

End of Paper 1



**PRIMARY 4 MID-YEAR EXAMINATION 2013**

Name : \_\_\_\_\_ ( )

Date: 17 May 2013

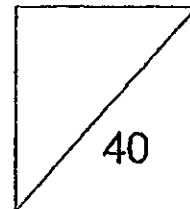
Class : Primary 4 ( )

Time: 10.30 a.m. - 11.30 a.m.

Parent's Signature : \_\_\_\_\_

**MATHEMATICS**

**PAPER 2**



Time for Paper 2 is **1 hour**.

Do not open this booklet until you are told to do so.

Read and follow all instructions carefully.

Answer all questions.



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Questions 1 to 10 carry 4 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (40 marks)

1. Meili, Sally and Devi have 1700 stickers altogether. Both Sally and Devi have an equal number of stickers. Meili has 200 stickers more than what Sally has. How many stickers does Meili have?

Ans:

2. Amy : "I am 4 years old."

Siti : "In 7 years' time, I shall be three times as old as you.

How old is Siti now?

Ans: \_\_\_\_\_

3. Mrs Lim baked twice as many cupcakes as Mrs Ong. After Mrs Lim gave 36 cupcakes to Mrs Ong, they had an equal number of cupcakes in the end. Find the number of cupcakes Mrs Lim had at first.

Ans: \_\_\_\_\_

4. Poles A, B and C are measured. Pole A is twice as long as Pole B.  
Pole C is 3 times as long as Pole A. If Pole A is 32 cm, what is  
the total length of the three poles?

Ans: \_\_\_\_\_

5. For every \$6 saved each week, I get another \$2 from my parents.  
I have \$512 in savings now.  
How many weeks do I take to save the money?

Ans: \_\_\_\_\_

6. Marcus has some marbles.

If he gives each friend 6 marbles, he will have 4 marbles left.

If he gives each friend 7 marbles, he will be short of 5 marbles.

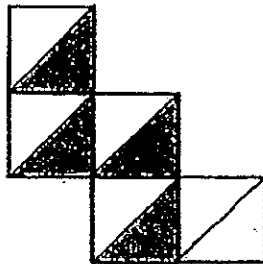
How many marbles does Marcus have?

Ans: \_\_\_\_\_

7. Jack had \$152. Mary had  $\frac{1}{2}$  as much as Jack. Rose had three times as much as Mary. How much did they have altogether?

Ans: \_\_\_\_\_

8. The figure below is made up of 5 identical squares. The area of the shaded parts of the figure is  $18 \text{ cm}^2$ . Find the perimeter of the whole figure.



Ans: \_\_\_\_\_

9. John has a total of 40 apples and pears. If he exchanges every pear for 2 apples, he will have 56 apples. How many apples did he have at first?

Ans: \_\_\_\_\_

10. I spent  $\frac{2}{9}$  of my money on a file and  $\frac{4}{9}$  of my money on a storybook.

Then I had \$15 left.

- a) What fraction of my money was not spent? (1 mark)  
b) How much money did I have at first? (3 marks)

Ans: a) \_\_\_\_\_

b) \_\_\_\_\_

End of Paper 2



# ANSWER SHEET

## EXAM PAPER 2013

SCHOOL : TAO NAN PRIMARY SCHOOL

LEVEL : PRIMARY 4

SUBJECT : MATHEMATICS

TERM : SA1

---

### Booklet A

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 |
|----|----|----|----|----|----|----|----|----|-----|
| 4  | 3  | 1  | 4  | 1  | 3  | 3  | 2  | 1  | 4   |

11. Seventy-eight thousand, four hundred and ninety-five.

12. 20180

13. 12 and 24

14. 85degree

15. AD

16. 93

17. 25

18. 52degree

19. 2 dollars

20. 100

21.  $1\frac{1}{6}$

22. 130

23. March to April

24.  $22\frac{2}{9}$

25. 12

26. 18

27. South

28. 58

29.  $1\frac{1}{2}$

30. 5

PAPER TWO:

1.  $1700 - 200 = 1500$

$1500 \div 3 = 500$

$200 + 500 = 700$

2.  $4 + 7 = 11$

$11 \times 3 = 33$

$33 - 7 = 26$

3.  $36 \times 4 = 144$

4.  $32 \div 2 = 16$

$32 \times 4 = 128$

$128 + 16 = 144 \text{ cm}$

5.  $6 + 2 = 8$

$512 \div 8 = 64$

6. 58

7.  $152 \div 2 = 76$

$76 \times 3 = 228$

$228 + 76 + 152 = 456 \text{ dollars}$

8.  $18 \div 2 = 9$

$9 = 3 \times 3$

$12 \times 3 = 36$

9.  $56 - 40 = 16$

$40 - 16 = 24$

10. a)  $3/9 = 1/3$

b)  $15 \div 3 = 5$

$5 \times 9 = 45$



Anglo-Chinese School (Primary)

END-OF-YEAR EXAMINATION 2013  
MATHEMATICS  
BOOKLET A  
PRIMARY FOUR

Name: \_\_\_\_\_ (    ) Class: Primary 4 \_\_\_\_

Date: 25 October 2013

Duration of Booklet A & B: 1h 45min

**INSTRUCTIONS TO CANDIDATES**

1. This question paper consists of 8 printed pages.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Shade your answer on the Optical Answer Sheet (OAS) provided.



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**SECTION A - Multiple Choice Questions (15 Questions x 2 Marks)**

Questions 1 to 15 carry 2 marks each.

For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS).

1. In which of the following numbers does the digit 8 stand for 800?

(1) 5 208

(2) 8 345

(3) 4 983

(4) 9 857

2. In which of the following are the numbers arranged from the smallest to the greatest?

*(smallest)*

*(greatest)*

(1) 3 608 , 3 860 , 3 068

(2) 3 860 , 3 608 , 3 068

(3) 3 068 , 3 608 , 3 860

(4) 3 860 , 3 068 , 3 608

3. 36 is a common multiple of \_\_\_\_\_.

(1) 2 and 5

(2) 3 and 4

(3) 6 and 8

(4) 7 and 12

4. How many one-quarters are there in 2 wholes?

(1)  $1\frac{1}{2}$

(2)  $2\frac{1}{4}$

(3) 8

(4) 4

5.

$$9\frac{7}{11} = \frac{\boxed{?}}{11}$$

What is the missing number in the box?

(1) 63

(2) 74

(3) 99

(4) 106

6. Jeff has 24 more stamps than Karev. If Jeff gave away  $\frac{1}{6}$  of his stamps, he would have 35 stamps left. How many stamps did Karev have?

(1) 11

(2) 18

(3) 42

(4) 66

7. In which of the following numbers does the digit 4 stand for 4 tenths?

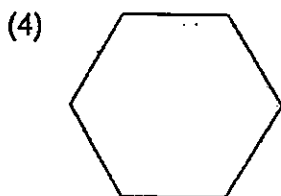
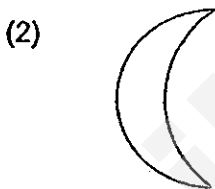
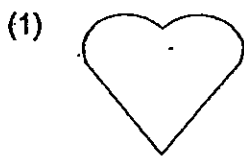
(1) 167.42

(2) 184.39

(3) 235.64

(4) 249.63

8. Which of the following figures can be tessellated?



9. 0.45 is the same as \_\_\_\_\_.

(1)  $4 + \frac{5}{10}$

(2)  $\frac{4}{10} + \frac{5}{10}$

(3)  $\frac{4}{100} + \frac{5}{100}$

(4)  $\frac{4}{10} + \frac{5}{100}$

10. Find the sum of 0.7 and 234.87.

Round off the answer to the nearest tenth

(1) 235.0

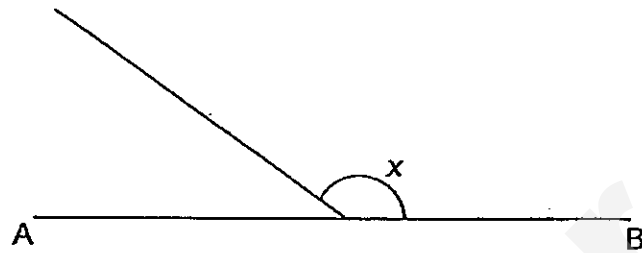
(2) 235.5

(3) 235.6

(4) 236.0



11. In the figure below, AB is a straight line. Which one of the following is the best estimate of  $\angle x$ ?



- (1)  $35^\circ$
  - (2)  $79^\circ$
  - (3)  $155^\circ$
  - (4)  $180^\circ$
12. Alex left his home at 10 35 for the mall. He boarded the bus 15 minutes later and reached the mall at 11 22. What was the duration of his bus journey?
- (1) 32 minutes
  - (2) 47 minutes
  - (3) 72 minutes
  - (4) 87 minutes

13. Sharon has 210 oranges. She packs the oranges into boxes. Each <sup>box</sup> bag contains 9 oranges. What is the maximum number of boxes that she can pack?

- (1) 21
- (2) 22
- (3) 23
- (4) 24

14. Which one of the following figures has perpendicular lines?

(1)



(2)



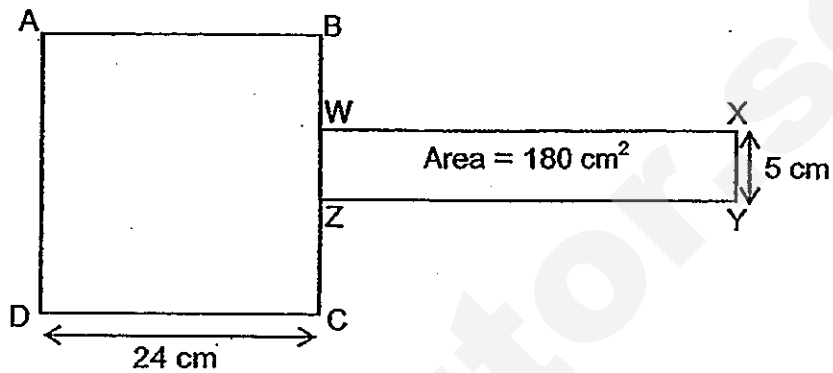
(3)



(4)



15. The figure shown below, not drawn to scale, is made up of square ABCD and rectangle WXYZ. The length CD is 24 cm and the length XY is 5 cm. The area of rectangle WXYZ is  $180 \text{ cm}^2$ . Find the perimeter of the figure below.



- (1) 168 cm
- (2) 178 cm
- (3) 276 cm
- (4) 756 cm



Anglo-Chinese School (Primary)

END-OF-YEAR EXAMINATION 2013  
MATHEMATICS  
BOOKLET B  
PRIMARY FOUR

Name: \_\_\_\_\_ ( ) Class: Primary 4 \_\_\_\_\_

Date: 25 October 2013

Duration of Booklet A & B: 1h 45min

\_\_\_\_\_  
Parent's/Guardian's signature

**INSTRUCTIONS TO CANDIDATES**

1. This question paper consists of 16 printed pages.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.

| Marking Scheme               |     |  |
|------------------------------|-----|--|
| A. Multiple-Choice Questions | 30  |  |
| B. Short Answers             | 40  |  |
| C. Problem Sums              | 30  |  |
| Total Marks                  | 100 |  |



**SECTION B - Short Answers (20 Questions x 2 Marks)**

Questions 16 to 35 carry 2 marks each. Show all workings clearly.

Write your answer in the space provided. Give your answers in the units stated and in its simplest form whenever possible.

16. Write  $\frac{53}{8}$  as a mixed number in its simplest form.

Answer : \_\_\_\_\_

17. Write the missing number in the number pattern below.

5893 , 5548 , \_\_\_\_\_ , 4858 , 4513

Answer : \_\_\_\_\_

18. Two factors of 87 are 1 and 87. What are the other factors of 87?

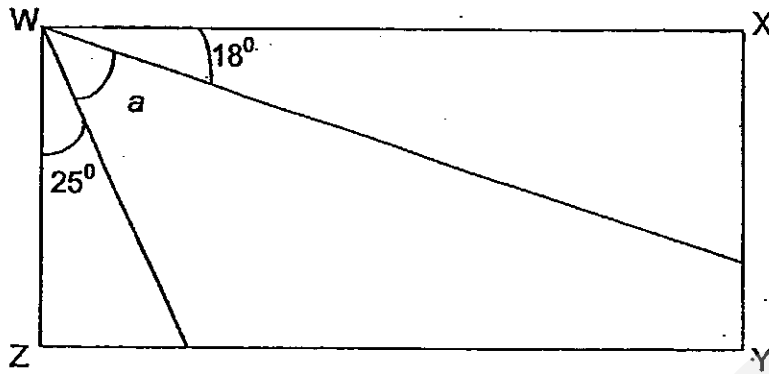
Answer : \_\_\_\_\_ and \_\_\_\_\_



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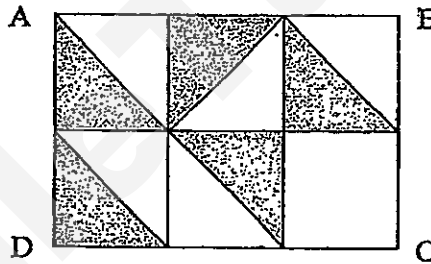
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19. In the figure shown below, WXYZ is a rectangle. Find the value of  $\angle a$ .



Answer : \_\_\_\_\_

20. In the figure below, rectangle ABCD is made up of 6 unit squares. What fraction of rectangle ABCD is unshaded?



Answer : \_\_\_\_\_

21.  $3.65 = \frac{365}{\boxed{?}}$

What is the missing number in the box?

Answer : \_\_\_\_\_

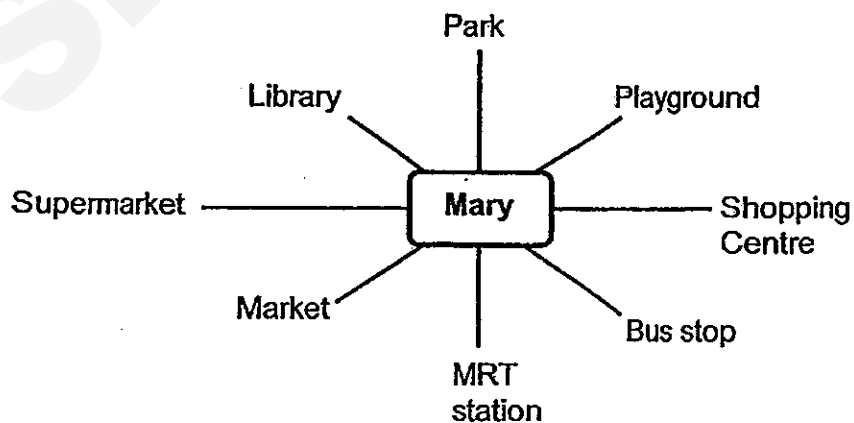
22. The cost of a laptop is \$975. Michael bought 12 such laptops. How much money would he have left if he paid using twelve \$1000 notes?

Answer : \$ \_\_\_\_\_

23. Find the value of  $16.97 \times 8$ .

Answer : \_\_\_\_\_

24. Mary is facing the market. If she turns \_\_\_\_\_<sup>o</sup> anti-clockwise, she will face the park.



Answer : \_\_\_\_\_<sup>o</sup>

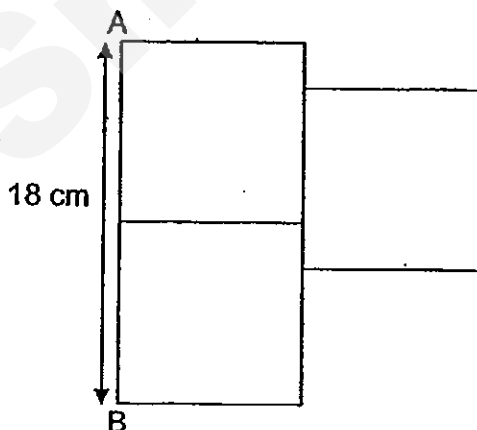
25. A file and a notebook cost \$3.70. Danny bought 4 such files and 5 notebooks for \$16.40. How much did each notebook cost?

Answer : \$ \_\_\_\_\_

26.  $8.56 - 6.78 =$  \_\_\_\_\_

Answer : \_\_\_\_\_

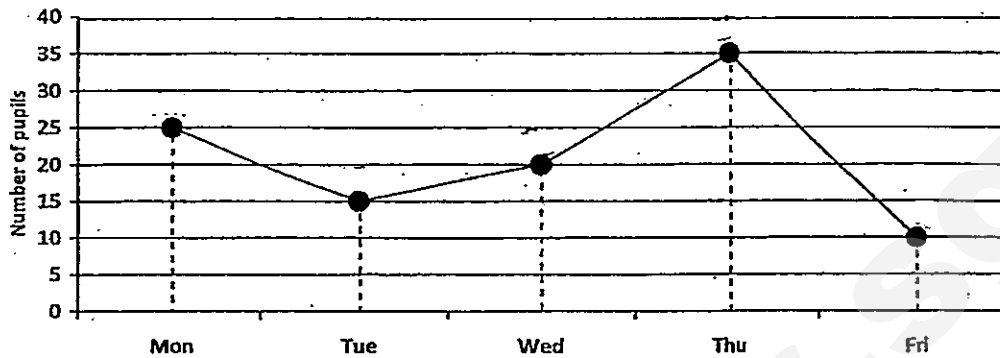
27. The figure below, not drawn to scale, is made up of 3 identical squares. The length of AB is 18 cm. Find the area of the figure given.



Answer : \_\_\_\_\_  $\text{cm}^2$



Study the graph below carefully and answer questions 28 and 29. The graph below shows the number of pupils who visited the dentist from Monday to Friday.



28. On which day was the number of pupils who visited the dentist  $\frac{1}{3}$  of the total number of pupils who visited the dentist from Monday to Friday?

Answer : \_\_\_\_\_

29. How many pupils visited the dentist on both Monday and Tuesday?

Answer : \_\_\_\_\_

30. A tank is  $\frac{2}{9}$  full when it is filled with 12 ℓ of water. How much water will there be when the tank is  $\frac{1}{2}$  full?

Answer : \_\_\_\_\_ ℓ

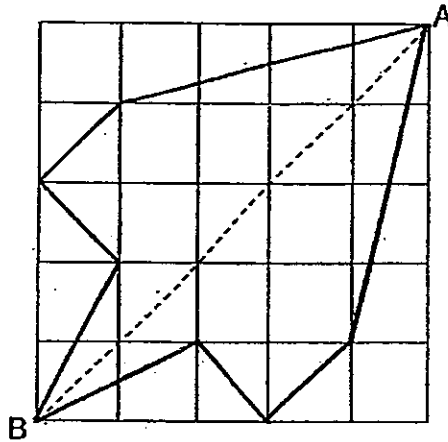
31. Jasmine takes 1 h 45 min to sew a dress. If Jasmine finished sewing at 12 35, at what time did she start sewing the dress?  
Give your answer in the 24-hour clock format.

Answer : \_\_\_\_\_

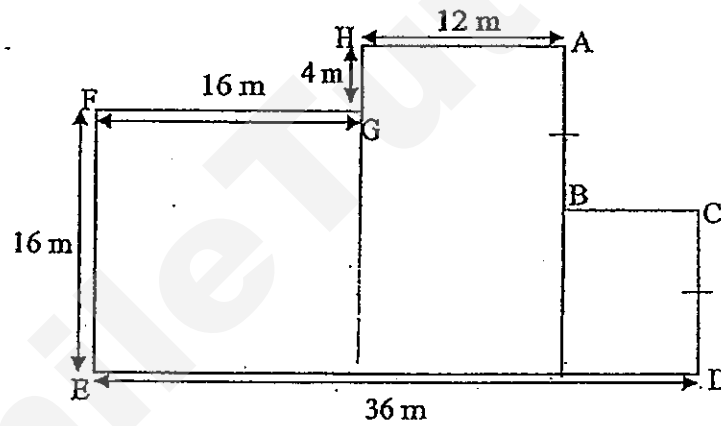
32. A pail containing 9 identical metal blocks weighs 12.5 kg. If each metal block weighs 1.3 kg, find the mass of the pail.

Answer : \_\_\_\_\_ kg

33. Complete the symmetric figure using the dotted line AB as the line of symmetry.



34. In the figure below, the length of AB is equal to the length of CD. The length of EF is equal to the length of FG. Find the area of the figure below.



Answer : \_\_\_\_\_ m<sup>2</sup>

35. Round off the sum of 4.56 and 6.95 to the nearest whole number.

Answer : \_\_\_\_\_

**SECTION C - Problem Sums (30 Marks)**

For each question from 36 to 43, show your working and mathematical statements clearly in the space below each question. Write your answer in the answer space provided. Give your answers in the units stated and in its simplest form whenever possible. Marks awarded are shown in the brackets [ ].

36. Jenny was reading a storybook. She read  $\frac{1}{4}$  of the book on Saturday and read  $\frac{7}{12}$  of it on Sunday.

a) What fraction of the storybook was not read? (Give your answer in its simplest form.)

b) If she had 36 more pages to read, how many pages did the storybook contain?

Answer: (a) \_\_\_\_\_ [ 1 ]

(b) \_\_\_\_\_ [ 2 ]

37. Vidya had some money. She wanted to buy 12 muffins but she was short of \$4.55. Instead, she bought 8 muffins and had \$1.25 left. How much money did she have at first?

Answer: \_\_\_\_\_ [ 3 ]

38. Raymond and Jessica have a total of 748 stickers. Sarah and Jessica have a total of 935 stickers while Raymond and Sarah have a total of 1177 stickers. Frances has 15 fewer stickers than Raymond. How many stickers does Frances have?

Answer: \_\_\_\_\_ [ 4 ]

39. Mrs Fang sells two types of cakes. The chocolate cake costs \$3.50 each and the marble cake costs \$4.10 each. If she sold 100 cakes in total and collected \$392. how many chocolate cakes did she sell?


Answer: \_\_\_\_\_ [ 4 ]

40.  $\frac{3}{11}$  of a class of pupils like archery,  $\frac{1}{4}$  of the remaining pupils like bowling and the rest like chess. There are 2 more pupils who like chess compared to archery.

a) How many pupils like bowling?

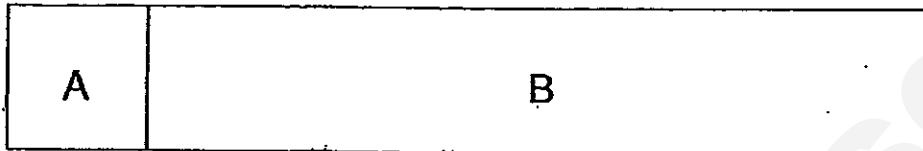
b) How many pupils are there in the class altogether?

Answer: (a) \_\_\_\_\_ [ 2 ]

(b) \_\_\_\_\_ 



41. The figure below, not drawn to scale, is made up of Square A and Rectangle B. The area of Square A is  $64 \text{ cm}^2$ . If the total area of Square A and Rectangle B is  $288 \text{ cm}^2$ , what is the perimeter of the figure?



Answer: \_\_\_\_\_ [ 4 ]

42. Maggie took 40 min to walk from her home to the shopping centre. She then spent the next 1 h 30min at the cinema watching a movie. After that, she left the shopping centre and arrived home at 17 50.

If her return trip home took 15 min longer than her walk to the shopping centre, at what time did she leave her home for the shopping centre?

Answer: \_\_\_\_\_ [ 4 ]

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43. Bag A contains 26.5 kg more peanuts than Bag B. After 4.55 kg of peanuts were removed from Bag B and placed into Bag A, the mass of Bag A was five times the mass of Bag B. What was the mass of peanuts in Bag A at first?

Answer: \_\_\_\_\_ [ 4 ]

END – OF – PAPER

# ANSWER SHEET

**EXAM PAPER 2013**

**SCHOOL : ANGLO-CHINESE PRIMARY SCHOOL**

**LEVEL : PRIMARY 4**

**SUBJECT : MATHEMATICS**

**TERM : SA2**

**Booklet A**

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 4  | 3  | 2  | 3  | 4  | 2  | 1  | 4  | 4  | 3   | 3   | 1   | 3   | 2   | 1   |

16.  $6\frac{5}{8}$

17. 5203

18. 3 and 29

19. 47

20.  $\frac{7}{12}$

21. 100

22. 300

23. 135.76

24. 225

25. 1.60

26. 1.78

27. 243

28. Thursday

29. 40 pupils

30. 27

31. 10 50

32. 0.8

33.

34. 576

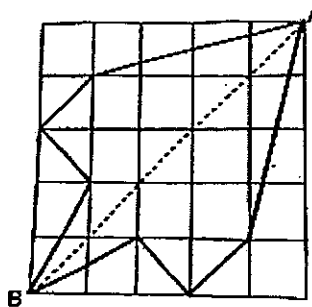
35. 12

36a)  $1 - \frac{1}{4} - \frac{7}{12} = \frac{2}{12} = \frac{1}{6}$

b)  $\frac{36}{2} = 18$

$18 \times 12 = 216$

37.  $12 - 8 = 4$



$$4.55+1.25=5.80$$

$$5.80/4=1.45$$

$$1.45 \times 8 = 11.60$$

$$11.60+1.25=12.85$$

38.  $117+748=1925$

$$1925-935=990$$

$$990/2=445$$

$$495-15=480$$

39.  $C+M = 100$

$$3.5C+4.1M=392$$

$$3.5C+3.5M=350$$

$$0.6M=42$$

$$M = 70$$

$$100-70=30$$

40.  $1/4=2/8$

$$6u-3u=3u$$

$$3u=12$$

$$U=4$$

a)  $4 \times 2 = 8$

b)  $4 \times 11 = 44$

41.  $64/8=8$

$$288-64=224$$

$$224/8=28$$

$$28+8=36$$

$$36+8=44$$

$$44 \times 2 = 88$$

42.  $40+15=55$

$$40-25=15$$

Answer: 14 45

43.  $26.5+4.55=35.6$

$$35.6/4=8.9$$

$$26.5+8.9+4.55=39.95 \text{ kg}$$



AI TONG SCHOOL

2013

SEMESTRAL ASSESSMENT 2

PRIMARY 4

MATHEMATICS

DURATION : 1 h 45 min

DATE : 23 October 2013

**INSTRUCTIONS**

Do not open the booklet until you are told to do so.

Follow all instructions.

Answer all questions.

Name : \_\_\_\_\_ ( )

Class : Primary 4 \_\_\_\_\_

|                            |
|----------------------------|
| Parent's Signature : _____ |
| Date : _____               |

|           |     |
|-----------|-----|
| Section A | 28  |
| Section B | 40  |
| Section C | 32  |
| Total     | 100 |



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**Section A**

Questions 1 to 14 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet with a 2B pencil. (28 marks)

1 54 thousands and 6 tens is the same as \_\_\_\_\_.

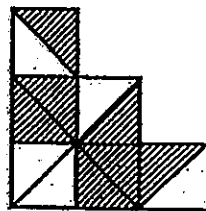
- (1) 5406
- (2) 54 006
- (3) 54 060
- (4) 54 600

2 In which of the following are the numbers arranged from the smallest to the greatest?

- |     | <i>(smallest)</i> |         | <i>(greatest)</i> |
|-----|-------------------|---------|-------------------|
| (1) | 6 850 ,           | 6 058 , | 6 580             |
| (2) | 6 058 ,           | 6 580 , | 6 850             |
| (3) | 6 580 ,           | 6 850 , | 6 058             |
| (4) | 6 058 ,           | 6 850 , | 6 580             |

3 The figure shown is made up of identical triangles. What fraction of the figure is shaded?

- (1)  $\frac{7}{5}$
- (2)  $\frac{5}{7}$
- (3)  $\frac{5}{12}$
- (4)  $\frac{7}{12}$





4 Find the value of  $\frac{7}{12} - \frac{1}{3}$

(1)  $\frac{1}{2}$

(2)  $\frac{2}{3}$

(3)  $\frac{1}{3}$

(4)  $\frac{1}{4}$

5 The digit 6 in 28.56 stands for 6 \_\_\_\_\_

(1) ones

(2) tenths

(3) hundredths

(4) thousandths

6 Write  $7\frac{2}{25}$  as a decimal.

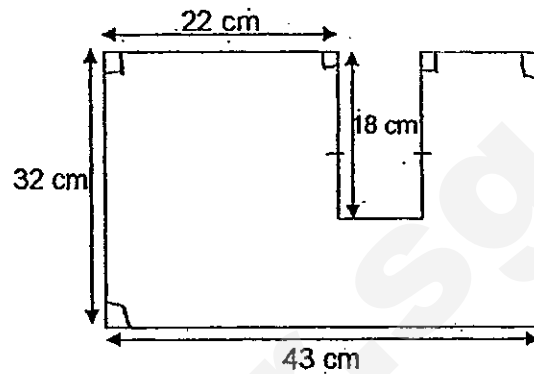
(1) 7.08

(2) 7.2

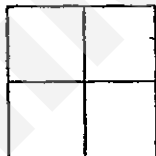
(3) 7.225

(4) 7.8

- 7 The figure below is not drawn to scale. Given that all the lines meet at right angles, find the perimeter of the figure.



- (1) 115 cm  
 (2) 133 cm  
 (3) 168 cm  
 (4) 186 cm
- 8 The figure below has an area of  $36 \text{ cm}^2$ . It is made up of 4 identical squares.



If the squares were rearranged to form the rectangle below, what is the perimeter of this rectangle?



- (1) 30 cm  
 (2) 60 cm  
 (3) 90 cm  
 (4) 180 cm

The table below shows the number of P4 pupils taking part in different activities at the start of LiveWell one afternoon. Each pupil took part in only one activity.

Study the table carefully and answer questions 9 and 10.

| Activity         | Camp Craft | First Aid | Outdoor Cooking | Rock Climbing |
|------------------|------------|-----------|-----------------|---------------|
| Number of pupils | 95         | 59        | 56              | 70            |

9  $\frac{1}{5}$  of all the participants took part in one of the activities. Which activity was this?

- (1) Camp Craft
- (2) First Aid
- (3) Outdoor Cooking
- (4) Rock Climbing

10 Midway through LiveWell, some stoves got damaged. 10 pupils from Outdoor Cooking had to stop their activity and join the pupils for Camp Craft instead. Which one of the following tables correctly shows the number of participants in the end?

(1)

| Activity         | Camp Craft | First Aid | Outdoor Cooking | Rock Climbing |
|------------------|------------|-----------|-----------------|---------------|
| Number of pupils | 85         | 59        | 46              | 70            |

(2)

| Activity         | Camp Craft | First Aid | Outdoor Cooking | Rock Climbing |
|------------------|------------|-----------|-----------------|---------------|
| Number of pupils | 105        | 59        | 46              | 70            |

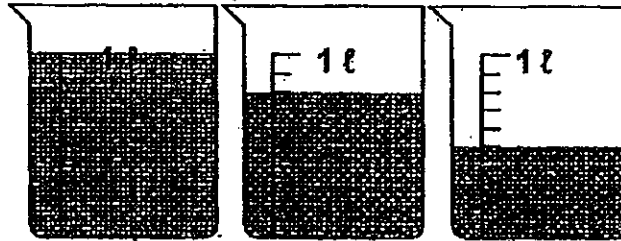
(3)

| Activity         | Camp Craft | First Aid | Outdoor Cooking | Rock Climbing |
|------------------|------------|-----------|-----------------|---------------|
| Number of pupils | 95         | 59        | 56              | 70            |

(4)

| Activity         | Camp Craft | First Aid | Outdoor Cooking | Rock Climbing |
|------------------|------------|-----------|-----------------|---------------|
| Number of pupils | 85         | 59        | 66              | 70            |

11 How many litres of water are there in the beakers shown?



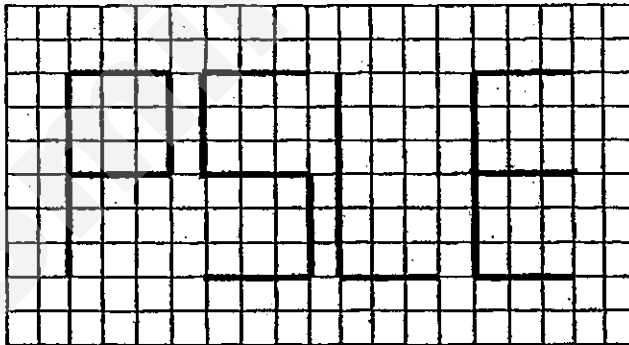
(1)  $1\frac{13}{20}$  ℓ

(2)  $2\frac{1}{2}$  ℓ

(3) 3 ℓ

(4)  $2\frac{3}{10}$  ℓ

12 In the diagram below, the letters P, S, L and E are drawn on a square grid.



How many of the above letters has/have a line of symmetry?

(1) 1

(2) 2

(3) 3

(4) 4

- 13 Wan Yi checked the TV guide and found that "Junior Masterchef" would begin in 40 minutes' time.

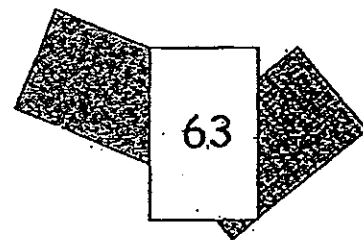
|            |                                   |
|------------|-----------------------------------|
| 11.00 a.m. | <b>Mister Maker Comes to Town</b> |
| 11.25 a.m. | <b>Tweenies</b>                   |
| 11.50 a.m. | <b>Little Einsteins</b>           |
| 12.25 p.m. | <b>Junior Masterchef</b>          |
| 1.30 p.m.  | <b>Green Crusade</b>              |
| 2.00 p.m.  | <b>Sesame Street</b>              |
| 2.45 p.m.  | <b>Batman and Robin</b>           |

Which programme was on when Wan Yi checked the TV guide?

- (1) Green Crusade
  - (2) Sesame Street
  - (3) Little Einsteins
  - (4) Tweenies
- 14 Sally has three cards. Each card has a different whole number printed on it. She added these numbers two at a time, and got these sums : 94, 73, and 105. The largest number on the three cards is 63.

What is the smallest number on the three cards?

- (1) 10
- (2) 21
- (3) 31
- (4) 42



**Section B**

Questions 15 to 34 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (40 marks)

15 Write the missing number in the number pattern below.

658 , 808 , 958 , \_\_\_\_\_ , 1 258

Ans: \_\_\_\_\_

16 Two factors of 26 are 1 and 26. What are the other two factors of 26?

Ans: \_\_\_\_\_ and \_\_\_\_\_

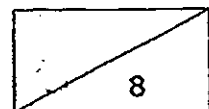
17  $6102 \div 6 =$  \_\_\_\_\_

Ans: \_\_\_\_\_

18  $\frac{5}{8} = \frac{\square}{24}$

What is the missing number in the box?

Ans: \_\_\_\_\_



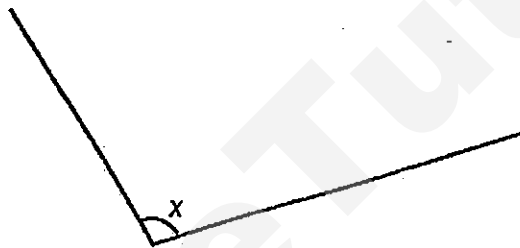
19 Which two of the fractions below are smaller than  $\frac{1}{2}$ ?

$$\frac{2}{5}, \frac{3}{4}, \frac{4}{7}, \frac{5}{12}$$

Ans: \_\_\_\_\_ and \_\_\_\_\_

---

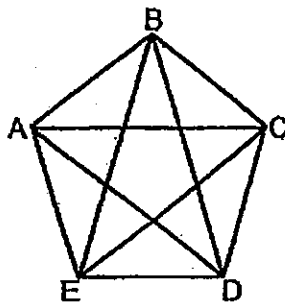
20 Measure and write down the size of  $\angle x$ .



Ans: \_\_\_\_\_

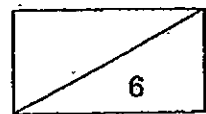
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21 In the figure, one of the lines is parallel to BC. Which line is parallel to BC?

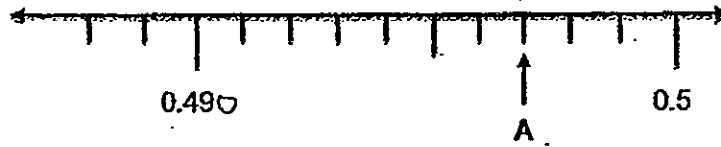


Ans: \_\_\_\_\_

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22 Write the decimal represented by A.

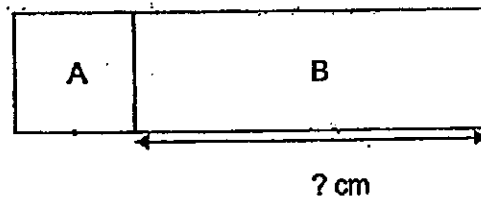


Ans: \_\_\_\_\_

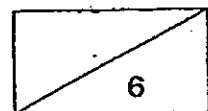
23 Find the value of  $7.09 \times 8$ .

Ans: \_\_\_\_\_

24 The figure below is made up of Square A and Rectangle B.  
The area of Square A is  $81 \text{ cm}^2$  and the area of Rectangle B is  $252 \text{ cm}^2$ .  
What is the length of Rectangle B?









Ans: \_\_\_\_\_ cm



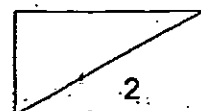


- 25 The grid shows the location of some landmarks in Amy's neighbourhood.  
The theatre is north of the library.

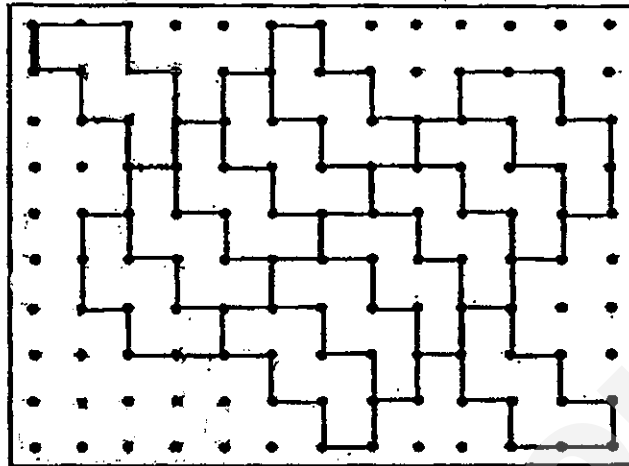
|  |   |   |   |
|--|---|---|---|
| <br>Theatre |   |   | <br>Bus Interchange |
|  | <br>Music School |   |   |
| <br>Library |   | <br>Supermarket      |   |
|  |   | <br>Football Field |   |



- (a) The bus interchange is to Amy's northeast and the library is to her west.  
Mark an X on the grid to show where Amy is.
- (b) Shade the box on the grid to show the apartment block which will be built southeast of the supermarket.



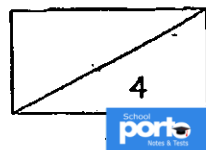
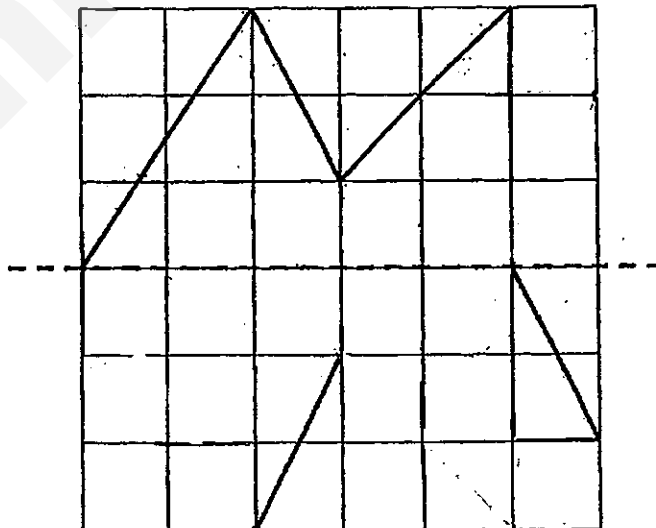
26 Study the tessellation below carefully.



In the space above,

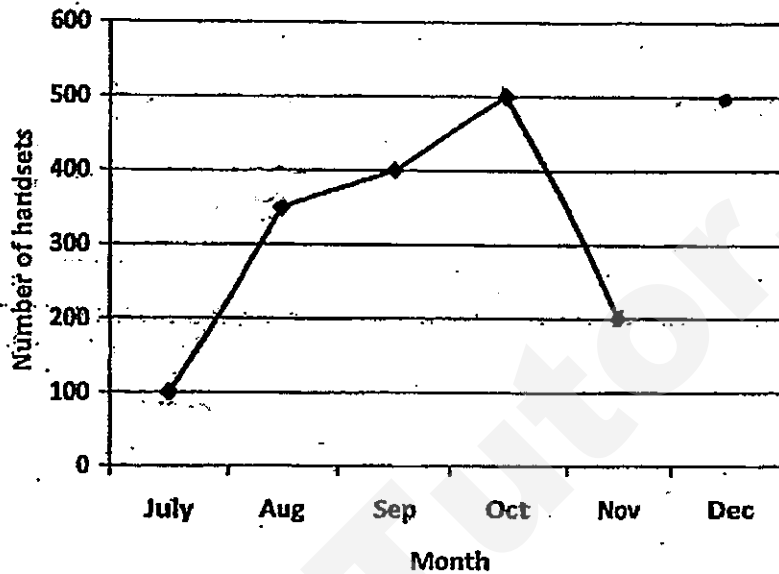
- (a) shade a unit shape.
- (b) extend the tessellation by drawing one more unit shape.

27 Doris drew a symmetric figure with the dotted line as a line of symmetry. However, she erased some lines by mistake. Help her complete the symmetric figure in the grid below.



The line graph below shows the number of handsets sold every month from July to December at Mobile Communications Shop.

Study the graph carefully and answer questions 28 and 29.

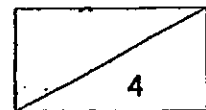


- 28 The number of handsets sold in December was equal to the total number of handsets sold in July and September.

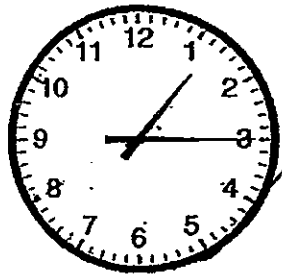
Complete the line graph above to show the number of handsets sold in December.

- 29 Which month showed a decrease in sales compared to the previous month?

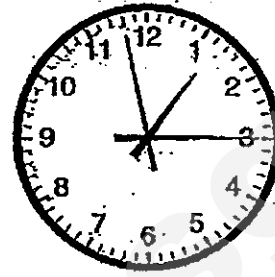
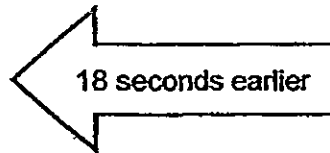
Ans: \_\_\_\_\_



- 30 Draw the missing second hand in Clock A to show the correct time.



Clock A



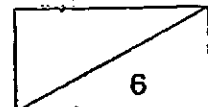
Clock B

- 
- 31 Faridah has a mass of 23.4 kg. She is 6.75 kg heavier than her brother. What is her brother's mass? Round off your answer to the nearest tenth.



Ans: \_\_\_\_\_ kg

- 
- 32 Li Ling has fewer than 20 sweets. If she packs them into bags of 6 sweets each, she will have 5 extra sweets. If she packs them into bags of 5 sweets each, she will need another 3 sweets. How many sweets does Li Ling have?

Ans: \_\_\_\_\_



33 The pattern below is made up of dots arranged in rows and columns.

| Pattern 1   | Pattern 2   | Pattern 3 | Pattern 4 | Pattern 5 |
|---|---|-----------|-----------|-----------|
|  |  | (a)       |           |           |

- (a) Draw the arrangement of dots for Pattern 3 in the box above.
- (b) If the same arrangement continues, which pattern would have 72 dots?

Ans: (b) Pattern \_\_\_\_\_

34 The diagram below is made up of identical blocks.



How many more blocks must be shaded so that  $\frac{3}{5}$  of the diagram is shaded?

Ans: \_\_\_\_\_

**Section C**

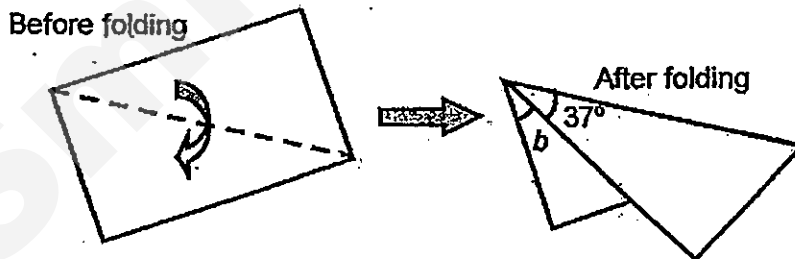
Questions 35 to 38 carry 3 marks each. Questions 39 to 43 carry 4 marks each. Show your working clearly in the space provided below each question and write your answers in the spaces provided. (32 marks)

- 35 Mr Ong bought 35 boxes of pencils. Each box contained 12 pencils. He repacked all the pencils into packets of 8.
- (a) How many pencils did Mr Ong buy altogether?  
(b) How many pencils were left unpacked?

Ans: (a) \_\_\_\_\_ [1]

(b) \_\_\_\_\_ [2]

- 36 Linda folded a rectangular piece of paper along the dotted line as shown below.

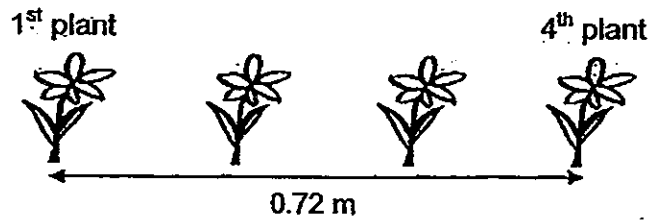


Find the value of  $\angle b$ .

Ans: \_\_\_\_\_ [3]



- 37 Ms Wong likes a neat garden. She plants some flowering plants in a row. The plants are an equal distance apart. The 1<sup>st</sup> plant is 0.72 m from the 4<sup>th</sup> plant.



How far is the 3<sup>rd</sup> plant from the 10<sup>th</sup> plant?

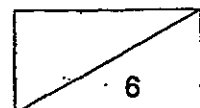
Ans: \_\_\_\_\_ [3]

- 38 After spending  $\frac{1}{3}$  of his money on a shirt and \$15 on food, Ravi had  $\frac{5}{12}$  of his money left. How much did Ravi have at first?

Draw and label a model as part of your solution, using the bar printed below. [1]



Ans: \_\_\_\_\_ [2]



39 Dr Ho had to travel from Singapore to Malacca for work. He booked a ticket for the bus that was scheduled to leave at 12 35. However, the bus only left at 13 20.

- (a) How much later than the scheduled time did the bus leave?  
(b) If the journey took 3 h 20 min, at what time did Dr Ho reach Malacca?

Ans: (a) \_\_\_\_\_ [ 2 ]

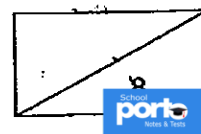
(b) \_\_\_\_\_ [ 2 ]

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40 Bruce and Charles had an equal amount of money. Bruce spent  $\frac{1}{3}$  of his money on some books while Charles spent  $\frac{1}{2}$  of his money on some DVDs. If Charles spent \$27 more than Bruce, how much did Bruce spend?

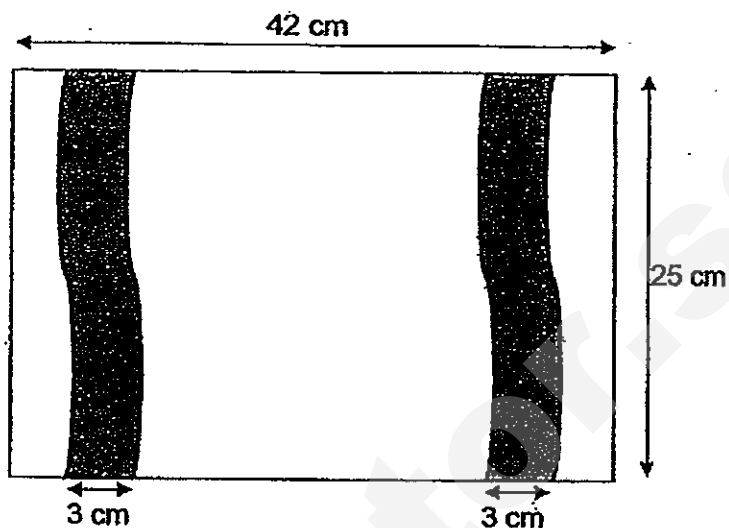
Ans: \_\_\_\_\_ [ 4 ]

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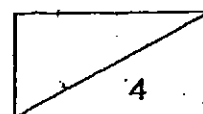


- 41 Granny Smith bought a white rectangular towel with two identical wavy grey strips as shown:



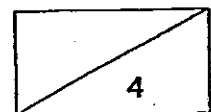
Each wavy strip has a width of 3 cm as shown in the diagram above. What is the area of the white part of the towel?

Ans : \_\_\_\_\_ [ 4 ]

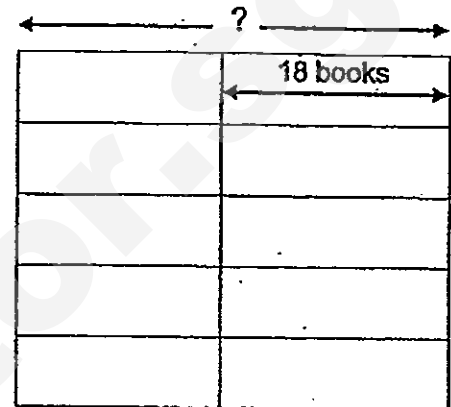


- 42 Anna wanted to give \$1.50 to Bella so that they would both have the same amount of money. In the end, however, Bella gave \$1.50 to Anna instead. Anna ended up with 6 times as much money as Bella. How much did Bella have in the end?

Ans: \_\_\_\_\_ [4]



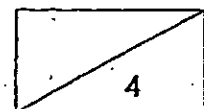
- 43 Joseph had 5 shelves of books. At first, each of the shelves held an equal number of books. Later, he selected 18 books from each shelf to be given away. After that, the total number of books he had left was equal to the total number of books on 2 shelves at first. How many books were there on each shelf at first?



Ans : \_\_\_\_\_ [4]

**End-of-paper**

*Check your work carefully.*



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# ANSWER SHEET

**EXAM PAPER 2013**

**SCHOOL : AI TONG**

**SUBJECT : PRIMARY 4 MATHEMATICS**

**TERM : SA2**

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| 3  | 2  | 4  | 4  | 3  | 1  | 4  | 1  | 3  | 2   | 4   | 1   | 4   | 3   |

Q15) 1108

Q16) 2 and 13

Q17) 1017

Q18) 15

Q19)  $\frac{2}{5}$  and  $\frac{5}{12}$

Q20) 103

Q21) AD

Q22) 0.497

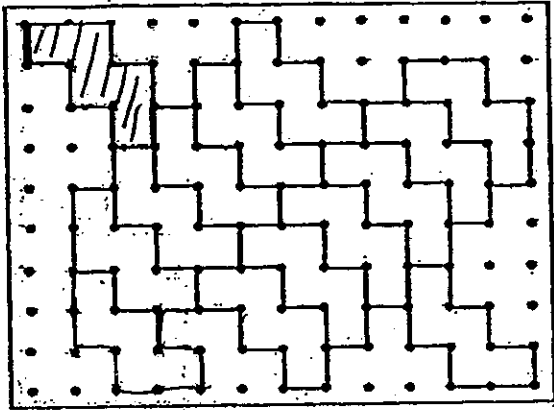
Q23) 56.72

Q24) 28

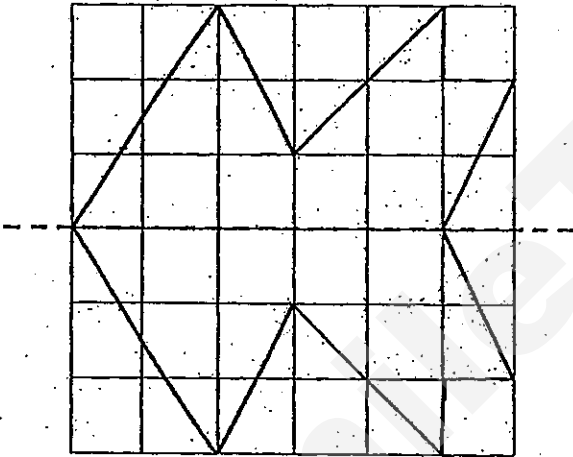
Q25)

|  |   |  |  |
|--|---|--|--|
|  |   |  |  |
|  |   |  |  |
|  | X |  |  |
|  |   |  |  |

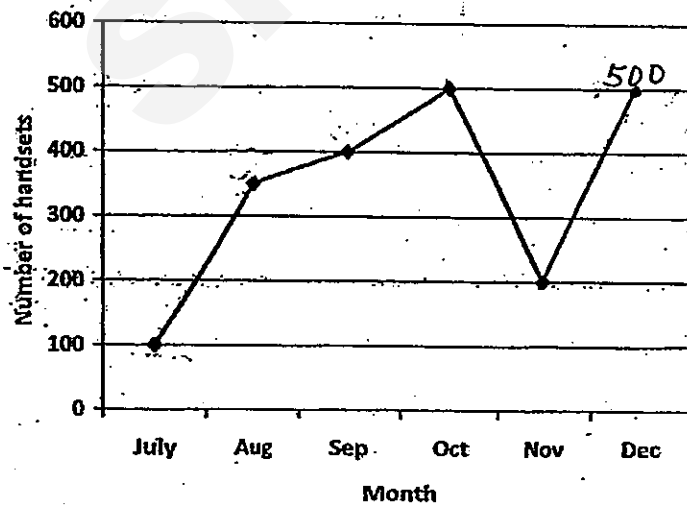
Q26)



Q27)

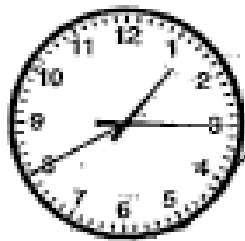


Q28)

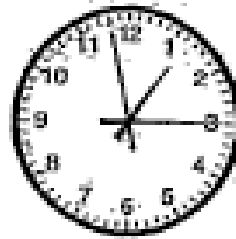


Q29) November

Q30)



Clock A



Clock B

Q31) 16.7

Q32) 17

Q33) 8

Q34) 4

Q35a)  $35 \times 12 = 420$

Ans: 420

Q35b)  $420 / 8 = 52 \text{ R } 4$

Ans: 4

Q36)  $37 \times 2 = 74$

$90 - 74 = 16$

Ans: 16

Q37)  $0.72 / 3 = 0.24$

$0.24 \times 7 = 1.68$

Ans: 1.68m

Q38)  $15 / 3 = 5$

$12 \times 5 = 60$

Q39a) Time from 1320 to 1235: 45 min

Q39b) 3 h 20 min after 1320: 16 40

Q40)  $27 \times 2 = 54$

Ans: \$54

Q41)  $3 \times 25 = 75$   
 $75 + 75 = 150$   
 $42 \times 25 = 1050$   
 $1050 - 150 = 900$

Ans:  $900 \text{ cm}^2$

Q42)  $5u \rightarrow 1.5 \times 4 = \$6$   
 $1u \rightarrow \$6 / 5 = \$1.20$

Q43)  $18 \times 5 = 90$   
 $3u: 90$   
 $1u: 90 / 3 = 30$   
Ans: 30 books

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