TAIBAH INTERNATIONAL SCHOOL-PRIMARY

P.4 MATHEMATICS WORK 2020

INSTRUCTIONS: Get a new book and write this work with the best handwriting.

Hand in this work on the reporting day.

WEEK ONE: Lesson One

TOPIC: **PATTERNS AND SEQUENCES**

Sub-topic: Types of Numbers

1   Whole numbers: These are numbers that are not fractions.

    E.g 0, 1, 2, 3, 4, 5, 6, …

2   Counting / natural numbers: These are numbers used in counting.

    E.g   1, 2, 3, 4, 5, …

3   Even numbers: These are numbers that are exactly divisible by 2.

4   E.g 0, 2, 4, 6, 8, …

5   Odd numbers: These are numbers that are not exactly divisible by 2.

6   E.g 1, 3, 5, 7, 9, …

Application of Types of Numbers.

Example 1

Find the product of the 3rd and 7th whole numbers.

Whole numbers are 0, 1, **2**, 3, 4, 5, **6**, 7, 8, 9, …

Product = 6 x 2 = 12

Example 2

List all the odd numbers between 10 and 21.

11, 13, 15, 17, 19

ACTIVITY

1   Write down a set of even numbers less than 18.

2   What is the sum of the first 4 odd numbers?

3   How many even numbers are there between 20 and 29

4   Write down a set of the first 6 counting numbers.

5   List down all the whole numbers above 8 but less than 13.

P.L.E. SKILL

6   Find the difference between the 4th and 9th odd numbers.

LESSON 2

Finding the next numbers in the sequences.

A pattern is a way numbers are arranged i.e in ascending or descending order

A sequence is a set of numbers with a defined order.

Example 1

Find the next number in the given sequence: 1, 2, 4, 7, 11, <u>16</u>

$$1 + 1 = 2$$

$$2 + 2 = 4$$

$$4 + 3 = 7$$

$$7 + 4 = 11$$

$$11 + 5 = 16$$

Example 2

Find the sum of the next two numbers in the sequence: 0, 2, 4, 6, 8,   1O_, 12

$$Sum = 12 + 10 = 22$$

3

ACTIVITY

Find the next numbers in the sequences below:

1. 4, 6, 8, 10, 12, _____

2. 1, 5, 8, 11, 14, _____

3. 5, 10, 15, 20, 25, ____, ____

4. 0, 3, 6, 9, 12, _____

P.L.E SKILL

5.   Find the sum of the next two numbers in the sequence:

1, 3, 5, 7, 9, ____, ___

LESSON 3

Multiples of Numbers

A multiple of a number is got by multiplying the given number by counting numbers.

Examples 1

Find the multiples of 5.

1 x 5,   2 x 5,   3 x 5,   4 x 5,   5 x 5, - - -

M_5 ={5, 10, 15, 20, 25, - - -}

4

Example 2

List down the multiples of 6 between 12 and 36.

$$1 \times 6, \quad 2 \times 6, \quad 3 \times 6, \quad 4 \times 6, \quad 5 \times 6, \quad 6 \times 6$$

$$6, 12, \quad 18, \quad 24, \quad 30, \quad 36$$

$$M_6 = \{18, 24, \quad 30\}$$

ACTIVITY

1. List down the multiples of 3.

2. Write down the first 5 multiples of 6.

3. Write down the multiples of 8 less than 40.

4. Find the multiples of 10 between 20 and 60.

P.L.E SKILL

5. Find the product of the 2nd and 5th multiples of 4