

## S.1 MATHEMATICS

### Sub topic 2.2: Differentiating between natural numbers and whole numbers/integers

#### Activity 2.3:

Relating natural numbers and integers In groups, read the text below and answer the questions that follow:

Two learners—Mary and Joy—went to the school canteen to buy some snacks for their breakfast. Joy bought 3 pancakes at UGX.200 each and 1 ban at UGX. 300.

Mary checked her bag and found out that her money was stolen. She borrowed some money from Joy. She bought four 4 pancakes and 2 bans.

#### Questions

- i) Which of the two learners had more money?
- ii) How much money did Mary borrow from Joy?
- iii) Peter said that Mary had negative UGX. 1400. Was he correct? Give reasons for your answer.

#### Addition and subtraction of integers

#### Activity 2.4

2. Work out the following:

- a)  $8 + -6$     b)  $61 + + 7$     c)  $49 - - 30$     d)  $77 - + 50$     e)  $-15 + + 20$   
f)  $-3 - - 13$

#### 3. Using a number line work out:

- a)  $-2 + + 3$     b)  $+5 + - 6$     c)  $- 8 - -5$

4. A national park guide on one of the mountains in East Africa recorded the temperature as  $15^{\circ}\text{C}$  one day. At midnight the temperature was  $-7^{\circ}\text{C}$ . By how many degrees had the temperature fallen?



## **Find the Prime Factors of any Number**

### **Activity 2.6**

Find the factors of the following:

1. 42

2. 56

3. 36

4. 108

**Find the multiples of the following:**

5. 7

6. 12

7. 9

8. 5

**Note: A factor of a number which is a prime number is called its prime factor.  
For example the factors of 36 are { 36,12,9,6,4,3,2,1 }**

9. What are the prime factors of 36?

10. Write 36 as a product of its prime factors.

**THE END.**

***NOTE: Do the numbers in your holiday work book***