



Department of Education, Sabaragamuwa Province – Weekly School

Grade : 6

Subject : - Mathematics

Week : 5

Unit : - Number Line

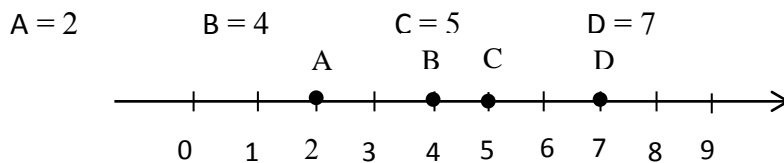
Number of Periods : 11

- Clearly understand the page 62 in the text book.
- Write the names of 5 instruments which have a scale that we use in day to day life.
- Correctly study the activity 1 in page 63 in the text book.
 - What's a number line?
 - Write the characteristics of a a number line?

The value of the numbers in a number line increase continuously along the right side

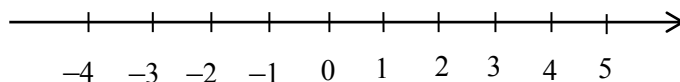
Represent the following numbers in a number line.

Example :-



- | | | |
|----------|-------|-------|
| 1) P = 1 | Q = 3 | R = 6 |
| 2) X = 0 | Y = 4 | Z = 7 |
| 3) A = 1 | B = 5 | C = 8 |

- Look at the page number 64 in your text book. Clearly understand the example 1.
- Complete the Exercise 5.1.
- Understand the activity 2 in page number 65 and 66 of the text book.
- Draw a number line and mark the positive and the negative numbers.

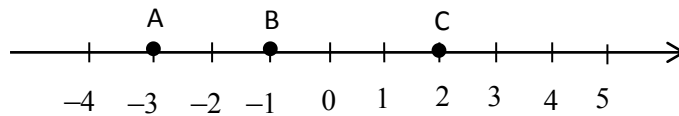


Mark the numbers shown below in the number line

$$A = -3$$

$$B = -1$$

$$C = 2$$



$$1) \quad P = -5 \quad Q = -4 \quad R = -1 \quad T = 3$$

$$2) \quad X = -7 \quad Y = -3 \quad Z = 0$$

$$3) \quad A = -6 \quad B = -4 \quad C = -1 \quad D = 4$$

- Clearly understand the page numbers 66 and 67 in the text book.

1) What is meant by an integer?

2) Explain the positive integer and negative integer.

The positive integers, the negative integers and zero, all taken together are called as the integers

Hence..... -3. -2. -1. 0. 1. 2. 3.

- Look at the page number 68 in your text book. clearly understand the example 1.
- Complete the exercise 5.2 in the page number 68.

- Write all the integers between 1 and 10.
- Write all the integers between -5 and 0.
- Write all the integers between -10 and -3.
- Write all the integers between -5 and +5.

- Clearly understand the page numbers 69 and 70 in the text book. Identify the signs used when comparing the integers.

Describe every even shown below by writing in sentence.

Example :- $5 > 1$ 5 is greater than 1

$-10 < 0$ -10 is smaller than zero

- 1) $7 > 2$ 2) $-3 > -5$ 3) $8 < 10$ 4) $-5 < -1$

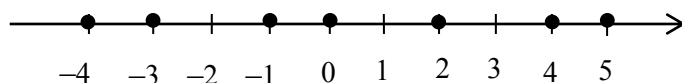
- Look at the page number 70 in your text book. clearly understand the example 1.
- Complete the exercise 5.3 in the page number 71.

- Look at the page numbers 71 and 72.
- Explain the method of value increasing and value decreasing according to the way of marking in the number line.

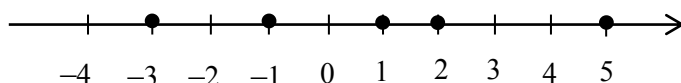
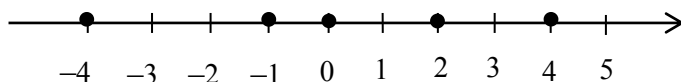
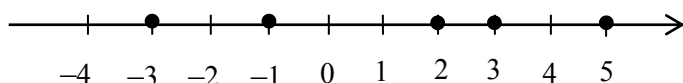
Writing in a way the value increases is called as ascending order and writing in a way that the value decreases is called as descending order.

Write the following integers marked in the number line in ascending and descending order.

Example :-



- Ascending order $-4, -3, -1, 0, 2, 4, 5$
- Descending order $5, 4, 2, 0, -1, -3, -4$



- Complete the exercise 5.4 in the pages 72 and 73 in the text book.
- Understand the page number 73.
Get clarified about the integers that appear between two non-consecutive integers.

Example :- Write all the integers that lie in between -5 and 3

$-4, -3, -2, -1, 0, 1, 2$

- Understand the table in page 73 which shows the numbers between two non-consecutive numbers
- Complete the exercise 5.5 in the text book.
- Describe the identification of integers by completing the miscellaneous exercise in the page numbers 74 and 75 of your text book.