

Unit : - Number Line

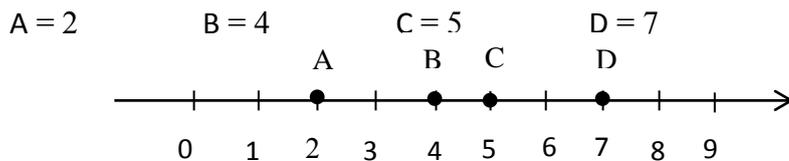
Number of Periods : 11

- 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.
 1. What's a number line?
 2. Write the characteristics of a a number line?

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

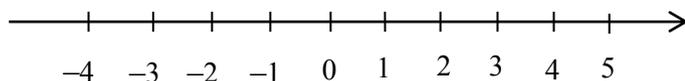
Represent the following numbers in a number line.

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.

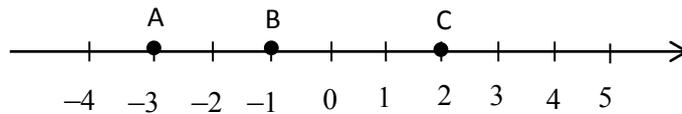


Mark the numbers shown below in the number line

$A = -3$

$B = -1$

$C = 2$



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

- 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.
 - 1) Write all the integers between 1 and 10.
 - 2) Write all the integers between -5 and 0.
 - 3) Write all the integers between -10 and -3.
 - 4) 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) $-5 < -1$

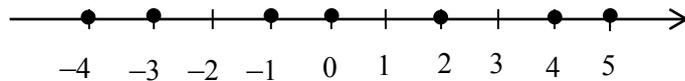
- Look at the page number 70 in your text book. clearly understand the example 1.
- Complete the exercise 5.3 in the page number 71.

- 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.

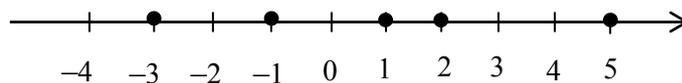
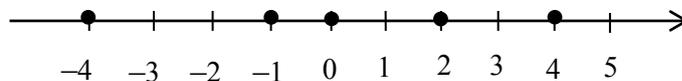
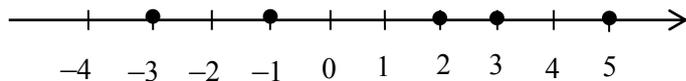
Writing in a way the value increases is called as ascending order and writing in a way that the value decreases is called as descending order.

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.