MONTH : NOVEMBER

SESSION : 13

CLASS : V

SUBJECT : MATHEMATICS

CHAPTER NUMBER: 14

CHAPTER NAME : INTRODUCTION TO NEGATIVE NUMBERS

SUB-TOPIC : ORDERING OF INTEGERS

LEARNING OBJECTIVE :

Enable the students

- **To recognize negative numbers**

- **To represent negative numbers on number line.**

- **To order integers in ascending and descending form**

> **EVERY POSITIVE INTEGER IS GREATER THAN NEGATIVE INTEGER**
EX: 8 > -9

> **ZERO IS SMALLER THAN EVERY POSITIVE INTEGER**
5 > 0

> **ZERO IS GREATER THAN EVERY NEGATIVE INTEGER**
0 > - 5

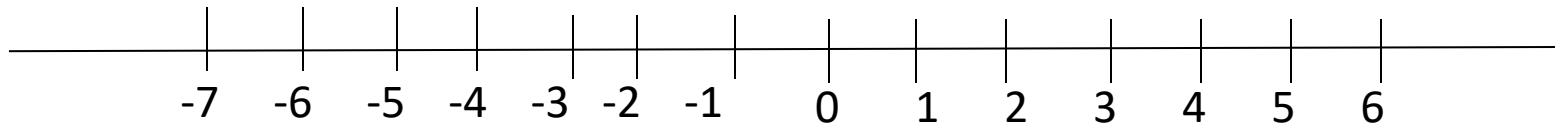> **GREATER THE NUMBER LESSER IS ITS OPPOSITE**
6 > 4 BUT - 6 < - 4

EXAMPLE:

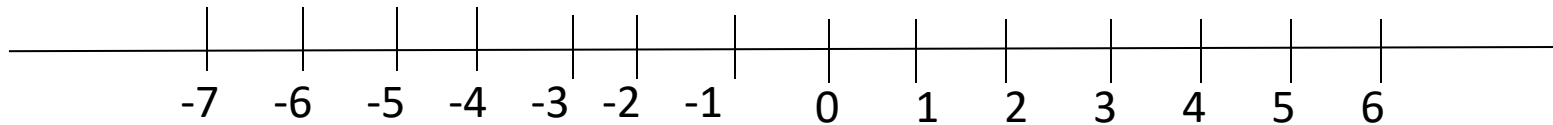Use number line to arrange in ascending order.
4 , -3 , 2, 0, -6, 7 and -4

-7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6

-6 < -4 < -3 < 0 < 2 < 4 < 7
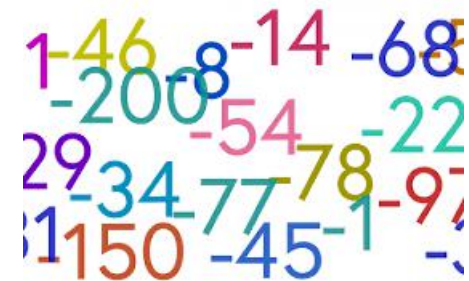
EXAMPLE: Use number line to arrange in descending order.
4 , - 7 , 6 , 7 , 0 , -1 and 5

-7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6

7 > 6 > 5 > 4 > 0 > -1 > - 7

1. Which numbers from each of the pairs s bigger?

a. (2) _____ - 2

b. (3) _____ - 5

c. -4 _____ (0)

d. (-1) _____ -4

e. (-4) _____ - 8

f. (-15) _____ - 18

g. 0 _____ (7)

h. -6 _____ (3)

2. Which numbers from each of the pairs is smaller?

a. (- 4) _____ 0

b. 1 _____ (- 2)

c. 16 _____ (- 7)

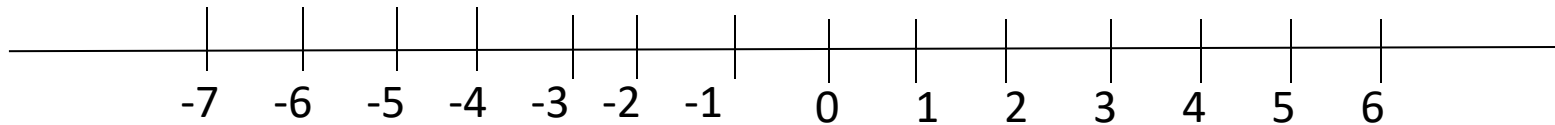d. (0) _____ 5

e. (-15) _____ 4

f. (-10) _____ - 6

g. 12 _____ (- 13)

h. (-20) _____ - 14

3. Use number line to arrange in ascending order.

a. -6 , 5 , 0, -5 , 4 , -1 , 2 and -7

-7   -6   -5   -4   -3   -2   -1   0   1   2   3   4   5   6

-7 < -6 < -5 < - 1 < 0 < 2 < 4 < 5

4. Use number line to arrange in descending order.

c.   12 , 10 , - 8 , 0 - 7 , -6 , 5 and 2
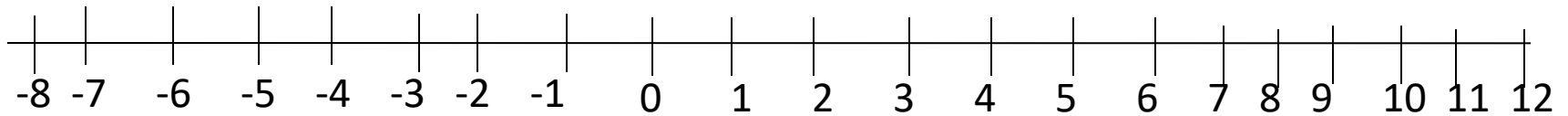
-8 -7   -6   -5 -4 -3 -2 -1   0   1   2   3   4   5   6   7 8 9   10 11 12

12 > 10 > 5 > 2 > 0 > -6 > - 7 > - 8

Students are able:

- **To recognize negative numbers**

- **To represent negative numbers on number line.**

THANKING YOU
ODM EDUCATIONAL GROUP