

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**

ORDERING OF NUMBERS

➤ **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**

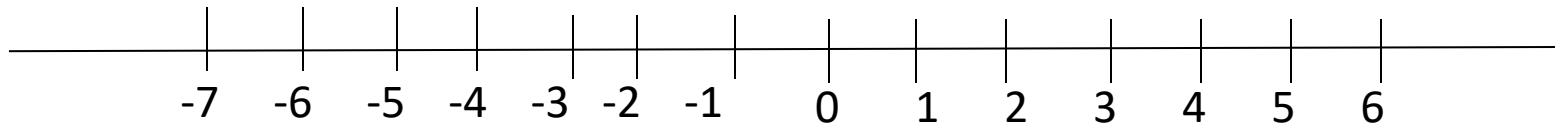
$6 > 4$ BUT $-6 < -4$

1-46 8-14 -68
-200
29 -54 -22
-34 -77 78 -9
1150 -45 -1 -

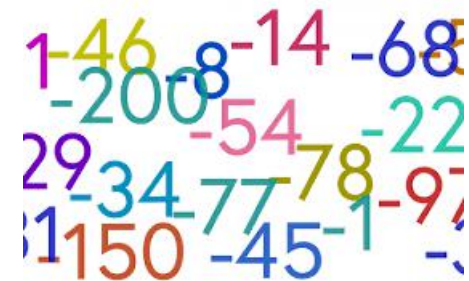
ORDERING OF NUMBERS

EXAMPLE:

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



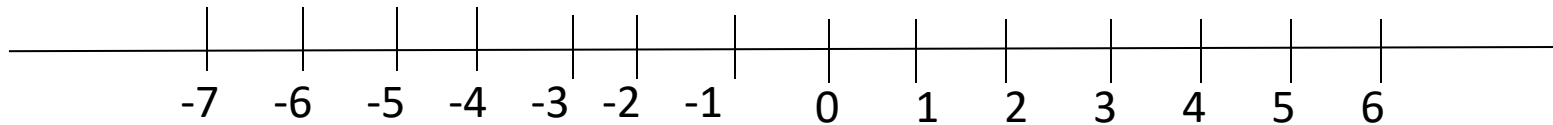
$$-6 < -4 < -3 < 0 < 2 < 4 < 7$$



ORDERING OF NUMBERS

EXAMPLE:

Use number line to arrange in descending order.
4, -7, 6, 7, 0, -1 and 5



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

1-46 8-14 -68
-200 8
29 -54 -22
-34 77 78 -9
1150 -45 -1 -

EXERCISE 14 A

1. Which numbers from each of the pairs is 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

1-46 8-14 -68
-200 8
-54 -22
29 -34 77 78 -9
1150 -45 -1 -

EXERCISE 14 A

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

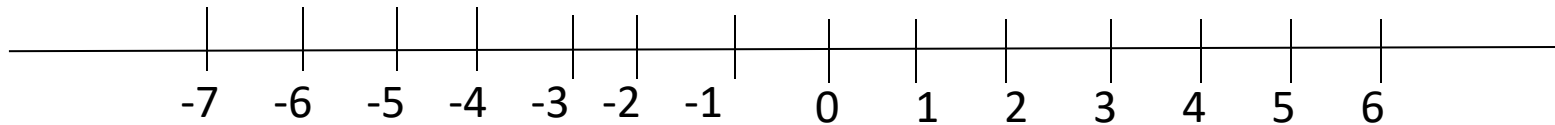
h. -20 _____ -14

1-46 8-14 -68
-200 8
-54 -22
29 -34 77 78 -9
1150 -45 -1 -

EXERCISE 14 A

3. Use number line to arrange in ascending order.

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



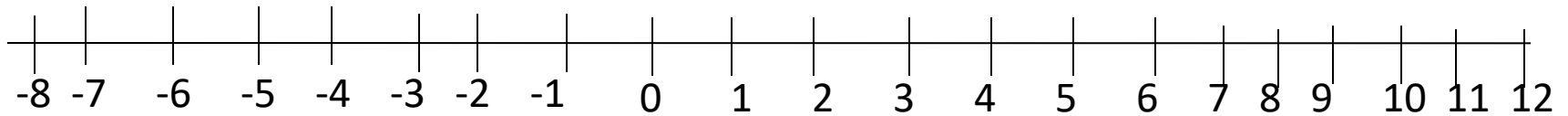
$$\mathbf{-7 < -6 < -5 < -1 < 0 < 2 < 4 < 5}$$

1-46 8-14 -68
-200 8
29 -54 -22
-34 77 78 -9
1150 -45 -1 -

EXERCISE 14 A

4. Use number line to arrange in descending order.

c. **12, 10, -8, 0, -7, -6, 5 and 2**



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

1-46 8-14 -68
-200 8
29 -54 -22
-34 77 78 -9
1150 -45 -1 -

The logo for 'Learning Outcomes' features the words 'Learning' and 'Outcomes' in a large, bold, black font with a yellow outline. To the left of the text is a blue graduation cap. Above the word 'Learning' is a red apple with a green leaf.

Learning Outcomes

Students are able:

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

THANKING YOU
ODM EDUCATIONAL GROUP