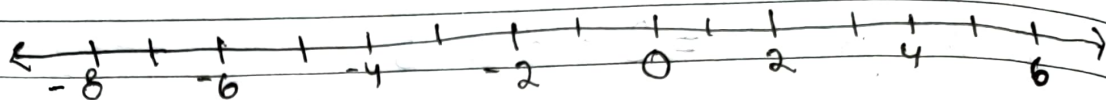


Exc - 7(A)

1. Fill in the blanks, using the number line:



- i) An integer, on the given number line, is larger than every number on its left.
- ii) An integer on the given number line is greater than every number to its left.
- iii) 2 is greater than -4 implies 2 is to the right of -4.
- iv) -3 is less than 2 and 3 greater than -2.
- v) -4 is greater than -8 and 4 is less than 8.
- vi) 5 is greater than 2 and -5 is less than -2.
- vii) -6 is less than 3 and ~~and~~ the opposite of -6 is greater than opposite of 3.
- viii) 8 is greater than -5 and -8 is less than 5.

2. In each of the following pairs, state which integer is greater:

i)  $-15, -23$

~~Ans~~  $-15$

ii)  $-12, 15$

~~Ans~~  $15$

iii)  $0, 8$

~~Ans~~  $8$

iv)  $0, -3$

~~Ans~~  $0$

3. In each of the following pairs, state which integer is ~~greater~~ smaller:

i)  $+5, -23$

ii)  $0, -6$

~~Ans~~  $-6$

iii)  $+2, -3$

~~Ans~~  $-3$

iii)  $15, -51$

~~Ans~~  $-51$

iv)  $13, 0$

~~Ans~~  $0$

4. In each of the following pairs, replace with  $<$  or  $>$  to make the statement true:

i)  $3 * 0$

~~Ans~~  $>$

ii)  $0 * -8$

~~Ans~~  $>$

iii)  $-9 * -3$

~~Ans~~  $<$

iv)  $-3 * 3$

~~Ans~~  $<$

v)  $5 * -1$

~~Ans~~  $>$

$$\text{vi) } -13^* 0$$

Ans <

$$\text{vii) } -8^* -18$$

Ans >

~~viii)~~

5. In each case, arrange the given integers in ascending order, using a number line:

$$\text{i) } -8, 0, -5, 5, 4, -1$$

Ans  $-8, -5, -1, 0, 4, 5$

$$\text{ii) } 3, -3, 4, -7, 0, -6, 2 \rightarrow -7, -6, -3, 0, 2, 3, 4$$

6. In each case, arrange the given integers in descending order, using a number line:

$$\text{i) } -5, -3, 8, 15, 0, -2$$

Ans  $15, 8, 0, -2, -3, -5$

$$\text{ii) } 12, 23, -11, 0, 7, 6 \rightarrow 23, 12, 7, 6, 0, -11$$

7. For each of the statements given below, state whether it is true or false:

i) The smallest integer is 0. False

- ii) The opposite of  $-17$  is  $17$ , True
- iii) The opposite of zero is zero, True
- iv) Every negative integer is smaller than  $0$ , True
- v)  $0$  is greater than every positive integer, False
- vi) Since zero is neither negative nor positive, it is not an integer, False