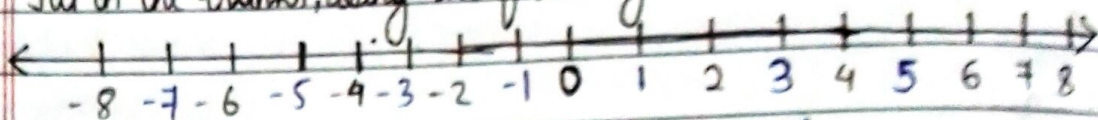


Ex-7.A

Q1. Fill in the blanks, using the following number line:



- i) An integer, on the given number line, is greater than every number to its right.
- 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 is 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 the opposite of -6 is greater than opposite of 3.
- viii) 8 is greater than -5 and -8 is less than 5.

Q2. In the following pairs, which integer is greater:-

i) -15, -23

ans:- -15 is greater than -23.

ii) -12, 15

ans:- 15 is greater than -12.

iii) 0, 8

ans:- 8 is greater than 0.

iv) 0, -3

ans:- 0 is greater than -3.

Q3. In the following pairs, which integer is smaller:-

i) 0, -6

ans:- -6 is smaller than 0.

ii) 2, -3

ans:- -3 is smaller than 2.

iii) 15, -51

ans: -51 is smaller than 15.

iv) 13, 0

ans: 0 is smaller than 13.

Q4. In the following pairs, with $<$, $>$ or $=$:-

i) $3 > 0$

iv) $-3 < 3$

vii) $-8 > -18$

ii) $0 > -8$

v) $5 > -1$

iii) $-9 < -3$

vi) $-13 > 0$

Q5. Arrange the given integers in ascending order

i) $-8, 0, -5, 5, 4, -1$

ans: $-8, -5, -1, 0, 4, 5$

ii) $3, -3, 4, -7, 0, -6, 2$

ans: $-7, -6, -3, 0, 2, 3, 4$

Q6. Arrange the given integers in descending order

i) $-5, -3, 8, 15, 0, -2$

ans: $15, 8, 0, -2, -3, -5$

ii) $12, 23, -11, 0, 7, 6$

ans: $23, 12, 7, 6, 0, -11$

Q7. State True/False

i) The smaller integer is 0. False

ii) The opposite of -17 is 17. True

iii) The opposite of 0 is 0. True

iv) Every negative integer is smaller than 0. True

- v) 0 is greater than every positive number. False.
- vi) Since zero is neither negative nor positive, it is not an integer. False.