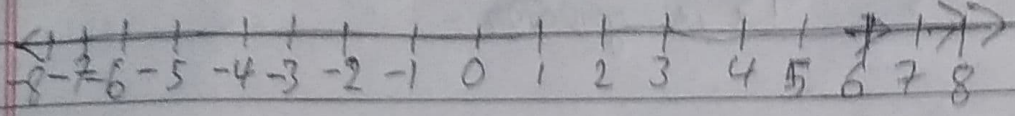
Ex- 7 (A)



(i) An integer, on the given number line, is greater 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 smaller than 2 and 3 is ~~greater~~ greater than -2.

(v) -4 is greater than -8 and 4 is smaller than 8.

(vi) 5 is greater than 2 and -5 is smaller than -2.

(vii) -6 is smaller than 3 and the opposite of -6 is greater than opposite of 3.

(viii) 8 is greater than -5 and -8 is smaller than 5.

2. (i) $-15, -23$

$-15 > -23$ -15 is greater.

(ii) $-12, 15$

$-12 < 15$ 15 is greater.

(iii) $0, 8$

$0 < 8$ 8 is greater.

(iv) $0, -3$

$0 > -3$ 0 is greater.

3. (i) $0, -6$

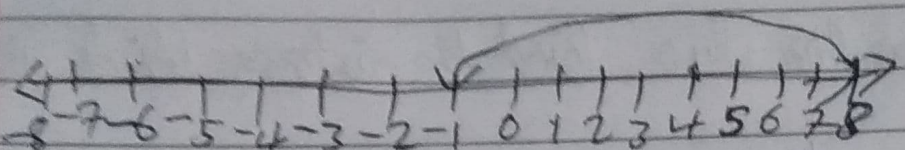
$0 > -6$ -6 is smaller.

(ii) $2, -3$

$2 > -3$ -3 is smaller.

(iii) ~~2 is greater~~ $15, -5$)

$15 > -5$) -5 is smaller.



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

(i) $3 * 9$

$= 3 > 0$

(ii) $0 * -8$

$= 0 > -8$

(iii) $-9 * -3$

$= -9 < -3$

(iv) $-3 * 3$

$= -3 < 3$

(v) $5 * -1$

$= 5 > -1$

(vi) $-13 * 0$

$= -13 < 0$

(vii) $-8 * -18$

$= -8 > -18$

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

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

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

$= -7, -6, -3, 0, 2, 3$

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

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

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

$= 23, 12, 7, 6, 0, -11$

7-(i) The smallest integer is 0. False

(ii) The opposite of -17 is 17. True

(iii) The opposite of 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