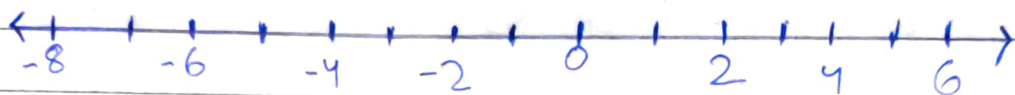


Exercise-7A

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



- 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 greater of -4.
- iv) -3 is smaller than 2 and 3 is 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 < / Smaller than opposite of 3.

viii) 8 is > / greater than -5 and -8 is < / Smaller than 5.

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

i) -15, -23    ii) -12, 15    iii) 0, 8    iv) 0, -3

Ans: i) -15    ii) 15    iii) 8    iv) 0

3. In each of the following pairs, State which integer is smaller.

i) 0, -6    ii) 2, -3    iii) 15, -51    iv) 3, 0

Ans: i) -6    ii) -3    iii) -51    iv) 0

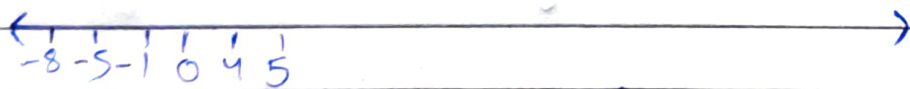
4. In each of the following pairs, replace • with < or > to make the

Statement true :

i)  $3 > 0$     ii)  $0 > -8$     iii)  $-9 > -3$     iv)  $-3 > 3$   
 v)  $5 > -1$     vi)  $-13 > 0$     vii)  $-8 > -18$

And: i)  $3 > 0$     ii)  $0 > -8$     iii)  $-9 < -3$     iv)  $-3 < 3$   
 v)  $5 > -1$     vi)  $-13 < 0$     vii)  $-8 > -18$

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



i)  $-8, 0, -5, 5, 4, -1$  ↖

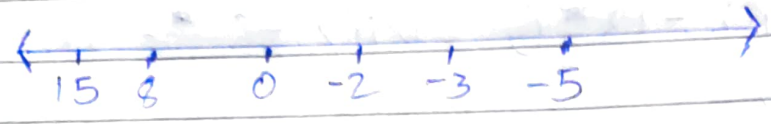
ii)  $3, -3, 4, -7, 0, -6, 2$  ↖



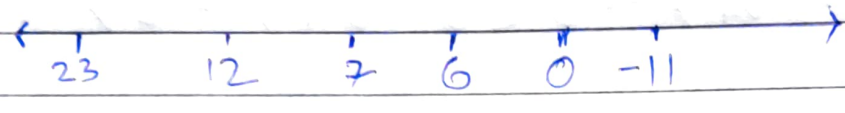
6. In each case, arrange the given integers in descending order, using a number

line.

i) ~~-8, 0, -5, 5, 4~~ → -5, -3, 8, 15, 0, ...



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



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) Every negative integer is smaller than  
0.