iv) 13, 0

Ans⇒ 0 is smaller than 13.

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

i) 3 * 0

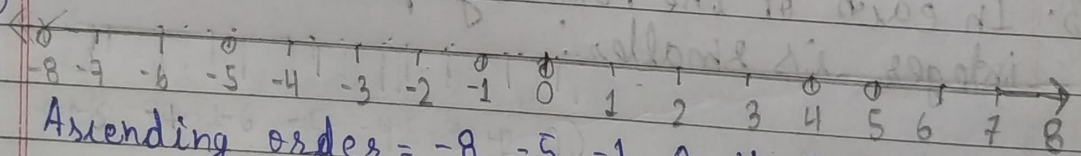
Ans⇒ 3 > 0, as 3 is greater than 0.

ii) 0 * -8

Ans⇒ 0 > -8 as 0 is greater than -8.

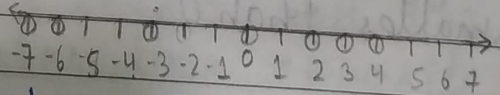
5. In each case, arrange the integers in ascending order, using an number line.

i)



Ascending order = -8, -5, -1, 0, 4, 5

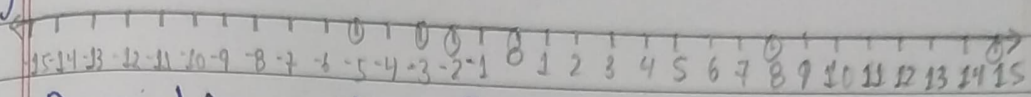
ii)



Ascending order = -7, -6, -4, -3, 0, 2, 3, 4

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

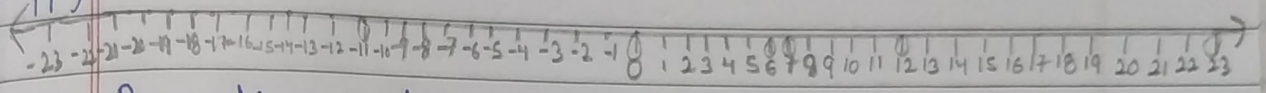
i)



Descending order = ~~-5, -3, -2, 8, 1~~

15, 8, -2, -3, -5

ii)



Descending order =

~~-11, 0~~, 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. True