

Handwritten date: 14/5/21

Ch-7

NUMBER LINE

Exercise 7(A)

Date: \_\_\_\_\_  
Page: \_\_\_\_\_

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 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.

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

(i) -15, -23	Ans - 15
Ans - -15	(iii) 6, 8
(ii) -12, 15	Ans - 8

(iv) 0, -3

Ans - 0

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

(i) 0, -6

Ans - -6

(ii) 2, -3

Ans - -3

(iii) 15, -51

Ans - -51

(iv) 13, 0

Ans - 0

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

(i)  $3 \square 0$

Ans -  $3 \square > 0$

(v)  $5 \square -1$

Ans -  $5 \square > -1$

(ii)  $0 \square 8$

Ans -  $0 \square < 8$

(vi)  $-13 \square 0$

Ans -  $-13 \square < 0$

(iii)  $-9 \square -3$

Ans -  $-9 \square < -3$

(vii)  $-8 \square -18$

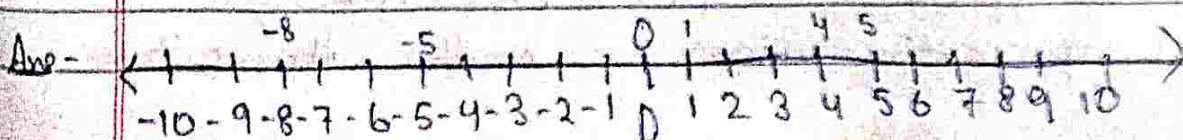
Ans -  $-8 \square > -18$

(iv)  $-3 \square 3$

Ans -  $-3 \square < 3$

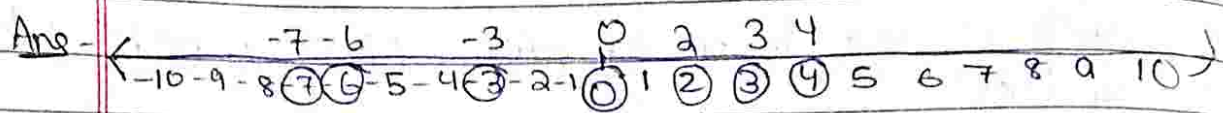
5. In each case, arrange the given integers in ascending order, using a number line:

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



-8, -5, 0, 1, 4, 5

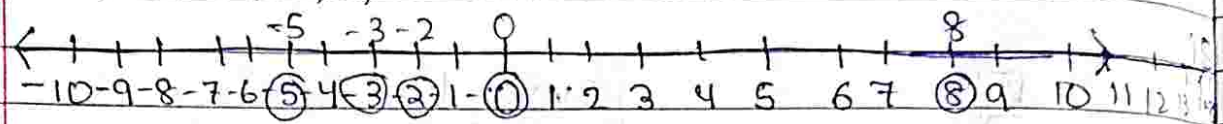
(iii) 3, -3, 4, -7, 0, -6, 2



-7, -6, -3, 0, 2, 3, 4

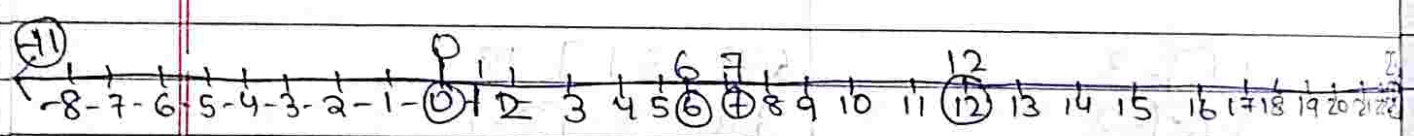
6. In each case, arrange the given integers in descending order, using a number line.

(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. 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.