

12/5/21

ch-7

Number line

- i) An integer as 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 side 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 0.
- vii) -6 is smaller than 3 and the opposite of -6 is greater.
- viii) 8 is greater than -5 and -8 is smaller than 5.

2) $(-15) > (-23)$

3) $1 > 0 > (-6)$

i) $(-12) < 15$

ii) $2 > (-3)$

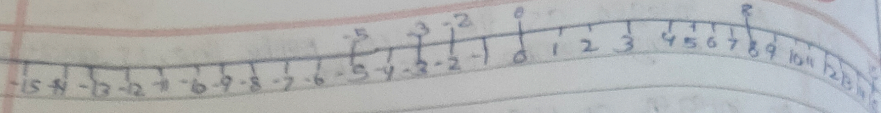
iii) $0 < 8$

iii) $15 > (-5)$

iv) $0 > 8$

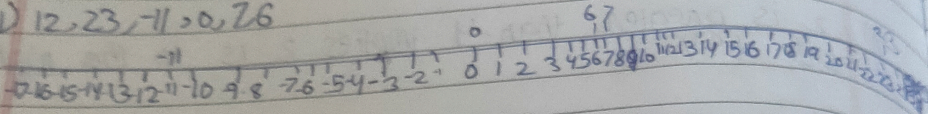
iv) $13 > 0$

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



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

i) 12, 23, -11, 0, 76



ii) The smallest integer is 0. False

iii) The opposite of -17 is 17. True

iv) The opposite of zero is zero. True

v) Every negative integer is smaller than 0. True

vi) 0 is greater than every positive integer. False

vii) since zero is neither negative nor positive, it is not an integer. False

viii) $3 > 0$

ix) $0 > (-8)$

x) $(-9) < (-83)$

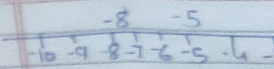
xi) $(-3) < 3$

xii) $5 > (-1)$

xiii) $(-13) < 0$

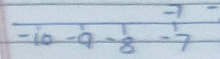
xiv) $(-8) > (-18)$

xv) -8, 0, 5, 5, 7

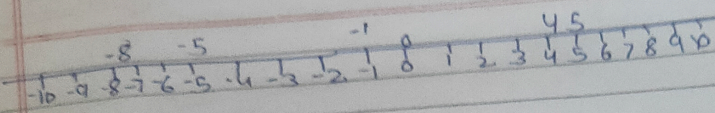


-8, -5, -1, 0

ix) 3, 3, 4, -7, 0

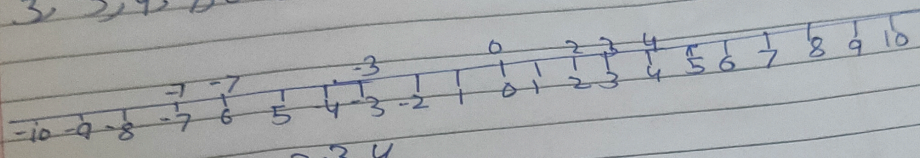


-7, 6, -3



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

17 3, -3, 4, -7, 0, -6, 2



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

TRUE

2

NOT