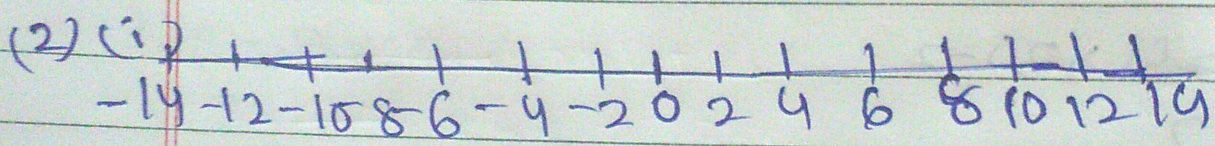


Ex. 6  
~~600~~

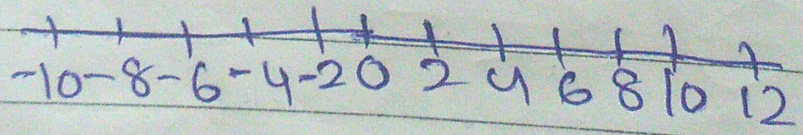
- (i) Negative of -20 is 20
- (ii) Negative of 0 is 0
- (iii) Negative of 8 is -8
- (iv) If 10 represents a gain of ₹ 10, then 10 represents loss ₹ 10
- (v) If going south is negative then going north is positive
- (vi) Because  $5 < 7$ , therefore -5 is greater than -7
- (vii) If  $3 > -2$ , then 3 is on the right side of -2
- (viii) If  $-8 < -6$ , then -8 is on the left side of -6



Here the given integers in the ascending order are

$-14 < -9 < -5 < 0 < 4 < 8 < 12$

- (ii) 6, 7, 0, -9, 5 and 9



$-9 < 6 < 0 < 5 < 7 < 9$

(iii) 13 and -15

On adding these numbers, we get  $13 + (-15) = 13 - 15$

$$= -2$$

(iv) -13 and -15

On adding these numbers, we get

$$(-13) + (-15) = -(13 + 15)$$

$$= -28$$

(B) (i) 254 and 214

On adding, we get

$$= 254 + 214$$

$$= 468$$

$$= 468$$

(ii) -528 and -243

On adding, we get

$$= -528 + (-243)$$

$$= -528 - 243$$

$$= -771$$

(iii) -623 and 326

On adding, we get

$$= -623 + 326$$

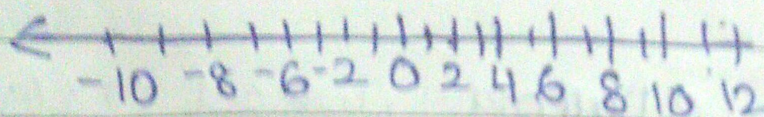
$$= -297$$

(iv) 288 and -473

On adding, we get

$$= 288 + (-473)$$

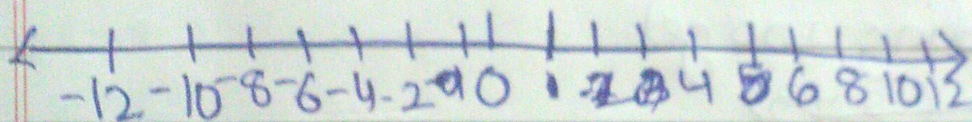
(a)(i)



Hence the given integers in the descending order are

$$12 > 11 > 5 > 3 > 0 > -1 > -4 > -10$$

(ii) -4, 3, -8, -12, -7 and 6



Hence, the given integers in the descending order are:  $6 > 3 > -4 > -7, -8 > -12$

(b) Add

(i) 13 and 15

(ii) -13 and 15

(iii) 13 and -15

(iv) -13 and -15

(i) 13 and 15

On adding these numbers, we get,  $13 + 15 = 28$

(ii) -13 and 15

On adding these numbers, we get  $-13 + 15 = 2$

$$= -662 - 284$$

$$= -876$$

(vi) 257 and -284

On adding, we get

$$= 257 + (-284)$$

$$= 257 - 284$$

$$= -27$$

(6) 8 from 8

On subtracting, we get

$$= 8 - 8$$

$$= 0$$

(ii) 4 from -7

On subtracting, we get

$$= -7 - 4$$

$$= -11$$

(iii) -5 and 8

On subtracting, we get

$$= 8 - (-5)$$

$$= 8 + 5$$

$$= 13$$

(iv) -8 from -2

On subtracting, we get

$$= -2 - (-8)$$

$$= -2 + 8$$

$$= 6$$

(v) -3 from 12

On subtracting, we get

$$= 12 - (-3)$$

$$= 12 + 3$$

$$= 15$$

(vi) -6 from -3

On subtracting, we get

$$= -3 - (-6)$$

$$= -3 + 6$$

$$= 3$$

7) Subtract:

(i) -123 from 453

(ii) -78 from -124

(iii) 329 from -124

(iv) -222 from 0

A(i) -123 from 453

On subtracting, we get

$$= 453 - (-123)$$

$$= 453 + 123$$

$$= 576$$

(i)  $-78$  from  $-12$

On subtracting, we get

$$= -12 - (-78)$$

$$= -12 + 78$$

$$= 66$$

(ii)  $329$  from  $-124$

On subtracting, we get

$$= -124 + 329$$

$$= 205$$

(iv)  $-222$  from  $0$

On subtracting, we get

$$= 0 - (-222)$$

$$= 0 + 222$$

$$= 222$$