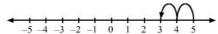
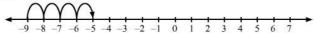


Negative Numbers and Integers Ex 5.2 Q1 Answer:

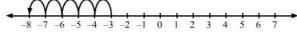
(i) If we start from 5 and move 2 units to the left of 5, we will obtain 3, as shown on the number line.



(ii) If we start from -9 and move 4 units to the right of -9, we will obtain -5, as shown on the number line.



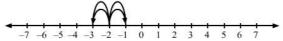
(iii) If we start from -3 and move 5 units to the left of -3, we will obtain -8, as shown on the number line



(iv) If we start from 6 and move 6 units to the left of 6, we will obtain 0, as shown on the number line.



(v) If we start from -1 and move 2 units to the left of -1, we will obtain -3; and then if we start from -3 and move 2 units to the left, we will obtain -1, as shown on the number line.



(vi) If we start from -2 and move 7 units to the right, we will obtain 5; and then if we start from 5 and move 9 units to the left, we will obtain -4, as shown on the number line.



Negative Numbers and Integers Ex 5.2 Q2 Answer:

(i) Here, we have to add integers of unlike sign , therefore we find the difference of their absolute values & assign the sign of the addend having greater absolute value

$$(-557) + 488$$

= $-[|-557| - |488|]$ (As, $|-557| = 557, |488| = 488$)
= $-[557 - 488]$
= -69

(ii) Here, we have to add integers that are both negative.

$$(-552) + (-160)$$

= $-[|-552| + |-160|]$ (As, $|-552| = 552$, $|-160| = 160$)
= $-[552 + 160]$
= -682

(iii) Here, we have to add integers of unlike signs , therefore we find the difference of their absolute values & assign sign of the addend having greater absolute value .

$$(2567) + (-325)$$

= $[|2567| - | - 325|]$ (As, $|2567| = 2567$, $|-325| = 325$)
= $[2567 - 325]$

(iv) Here, we have to add integers of unlike sign ,therefore we find the difference of their absolute values & assign the sign of the addend having greater absolute value.

```
(-10025) + 139
= -[|-10025| - |139|] (As, |-10025| = 10025, |139| = 139)
= -[10025 - 139]
```

(v) Here, we have to add integers of unlike signs , therefore we find the difference of their absolute values & assign sign of the addend having greater absolute value .

```
(2547) + (-2548)
= -[|2548| - |-2547|] (As, |2548| = 2548, |-2547| = 2547)
= -[2548 - 2547]
= -1
```

(vi) Here, we have to add integers of unlike signs , therefore we find the difference of their absolute values & assign sign of the addend having greater absolute value .

$$(2884) + (-2884)$$

= $[|2884| - |-2884|]$ $(As, |2884| = 2884, |-2884| = 2884)$
= $[2884 - 2884]$
= 0

********* END ********