Mathematics

(Chapter – 6) (Integers) (Practice Test 6)

Class VI

Time: 1 Hour 15 Minutes   **M. M: 25**

General Instructions:
- This question paper contains four sections: A, B, C and D. Each part is compulsory.
- Section A has 5 MCQ of one mark each.
- Section B has 3 questions of two marks each.
- Section C has 3 questions of three marks each.
- Section D has 5 questions of five marks each, attempt any 1 out of 2.
- There is no negative marking.

Section – A

1. Value of -45 + 30 is:

(A) 75   (B) 30   (C) –15   (D) None of these

2. The integer is 4 times more than –5:

(A) 1   (B) 9   (C) –1   (D) none of these

3. Write the number with appropriate signs: 30°C above 0°C temperature.

(A) –30   (B) 20   (C) 30   (D) none of these

4. Write the number with appropriate signs: 150 m below sea level.

(A) –150   (B) 150   (C) 200   (D) None of these

5. Value of -15 – 16 is:

(A) –31   (B) 37   (C) 40   (D) –40

Section – B

6. Write five integers which are less than –100 but greater than –150.

7. Write four pairs of integers which are at the same distance from 2 on the number line.

8. Write six distinct integers whose sum is 7.

Section – C

9. The sum of two integers is 30. If one of the integers is –42, then find the other.

10. Sum of two integers is –80. If one of the integers is –90, then find the other.

11. If we are at 8 on the number line, in which direction should we move to reach the integer

(a) –5   (b) 11   (c) 0?

Section – D

12. Use number line and add the following integers:

(a) 9 + (–6)

(b) 5 + (–11)

(c) (–1) + (–7)

(d) (–5) + 10

(e) (–1) + (–2) + (–3)

(f) (–2) + 8 + (–4)

13. Draw a number line and answer the following:

(a) Draw a number line will we reach if we move 4 numbers to the right of –2.

(b) Which number will we reach if we move 5 numbers to the left of 1.

(c) If we are at –8 on the number line, in which direction should we move to reach –13?

(d)If we are at –6 on the number line, in which direction should we move to reach –1?

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Answers

Section – A

1. −15
2. −1
3. 30
4. −150
5. −31

Section – B

6. Five integers which are less than −100 but greater than −150 are −110, −111, −120, −130, and 131 respectively.

7. Four pairs of integers which are at the same distance from 2 on the number line are (1,3), (−1, 5), (−2,6), (−3,7) respectively.

8. Six distinct integers whose sum is 7 are 1, −1, 2, −2, 3, 4 respectively. If we add these integers as 1 − 1 + 2 − 2 + 3 + 4 = 7, the resultant sum is 7.

Section-C

9. let other integer be x and from given condition we have:

    $x + (−42) = 30$ Now, $x = 72$

So, another integer is 72 respectively.

10. let other integer be x and from given condition we have:

    $x + (−90) = −80$ now, $x = 10$

So, another integer is 10 respectively.

11. (a) If we are at 8 on the number line then we should move towards left direction on the number line to reach the integer 5.

(b) If we are at 8 on the number line then we should move towards right direction on the number line to reach the integer 11.

(c) If we are at 8 on the number line then we should move towards left direction on the number line to reach the integer 0.

Section – D

12. (a) $9 + (−6) = 3$
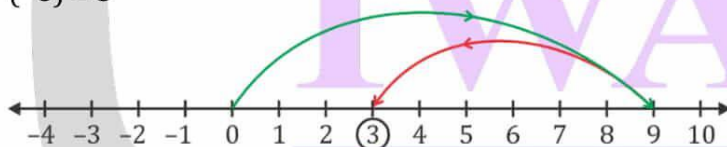
(b) $5 + (−11) = −6$
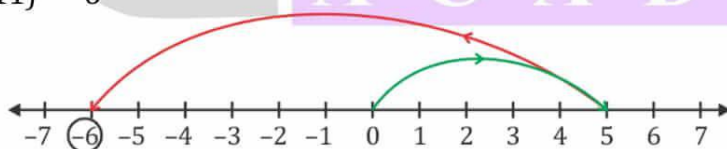
(c) $(-1) + (-7) = -8$
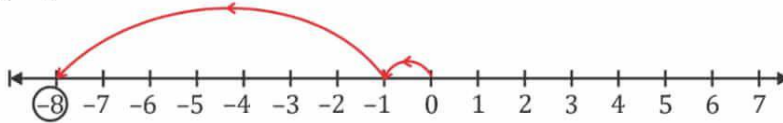
(d) $(-5) + 10 = 5$
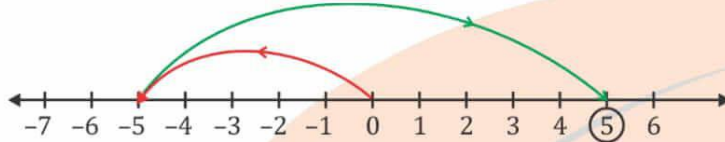
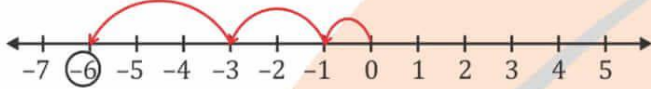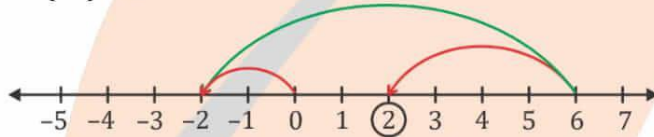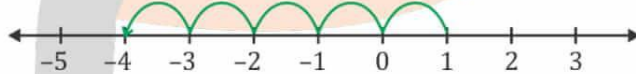(e) $(-1) + (-2) + (-3) = -6$

(f) $(-2) + 8 + (-4) = 2$

13. (a)

(b)

(c) On left side

(d) On right side