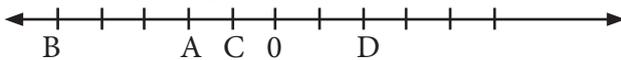


Integers

Q1. Observe the number line carefully and state True or False for the statements given below:



- Point A represents the successor of -3 on the number line. _____
- The integer at Point C $>$ Integer at point D. _____
- Point A and Point B lie between -6 and -1 . _____
- If 4 is added to the integer at point A, the sum will be a positive integer. _____

Q2. Express the following using integers:

- 2 levels below the ground floor : _____
- A loss of ₹2000 : _____
- 5°C above zero : _____
- 50 m behind the start line : _____

Q3. Evaluate and fill in the blanks:

- 2 more than absolute value of $-7 =$ _____.
- 10 less than absolute value of 12 = _____.
- The predecessor of $-10 =$ _____.
- 10 more than $|-15| =$ _____.

Q4. The following table shows the temperature of four cities. Find the coldest and the hottest city.

City	Temperature
Shimla	0°C
Leh	-7°C
Kashmir	-5°C
Nainital	2°C

Answer: Coldest City: _____; Hottest City: _____

Q5. Simplify:

a. $|-27+11| + 3 \times |-12|$

Answer: _____

b. $|-7-8| \div |-3|$

Answer: _____

Q6. Fill in the blanks:

a. Additive inverse of 8 is _____.

b. $-14 - (-10) = -14 +$ _____.

c. $[(-12) + (-15)] + (-10) = (-15) + [(-10) +$ _____]

d. $(-1)^{235} =$ _____

Q7. What should be added to -234 to get -576?

Answer: _____

Q8. Simplify:

$$17 + [\{(-24 \div -3) - (-10)\} + \overline{300 \div 10}]$$

Answer: _____

Q9. Anil recorded the profit and loss of his business for the past 4 months as follows:

Month	Profit (in ₹)	Loss (in ₹)
January	1300	--
February	--	2000
March	--	1000
April	5000	--

If he had ₹10,000 in the beginning of January, how much money will he have at the end of April?

Answer: _____

Q10. Kirti starts from a point X and travels 20 km towards east and then goes 25 km west. If the distance towards east is represented by a positive integer then find her displacement from the point X.

Answer: _____

Answers

1. a. True; b. False; c. True; d. True
2. a. -2 ; b. -2000 ; c. $+5$; -50
3. a. 9; b. 2; c. -11 ; d. 25
4. Coldest City: Leh; Hottest City: Nainital
5. a. 52; b. 5
6. a. -8 ; b. 10; c. -12 ; d. -1
7. -342
8. 65
9. ₹13,300
10. -5 km