

Class: 6
Subject: Mathematics
Topic: Integers
No. of Questions: 20

Q1. Which in each of the following pair is smaller?

- (i) 5, -7
- (ii) 0, -6
- (iii) -10, -5
- (iv) 218, -236

Q2. Write all the integers between

- (i) -5 and 5
- (ii) 0 and 6
- (iii) -5 and 7
- (iv) -7 and 0.

Q3. Write the following numbers with appropriate signs:

- (i) 100 m below sea level.
- (ii) 25°C above 0°C temperature.
- (iii) 15°C below 0°C temperature.
- (iv) Five number less than 0.

Q4. Compare the following pairs of numbers using > or <.

0 ; -1 -15

5 ; 11 15

0 ; -20 2

From the above exercise, Rohini arrived at the following conclusions:

- (i) Every positive integer is larger than every negative integer.
- (ii) Zero is less than every positive integer.
- (iii) Zero is larger than every negative integer.
- (iv) Zero is neither a negative integer nor a positive integer.
- (v) Farther a number from zero on the right, larger is its value.
- (vi) Farther a number from zero on the left, smaller is its value.

Do you agree with her? Give examples.

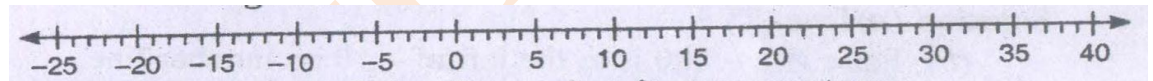
Q5. Draw a number line and answer the following:

- (i) Which number will we reach if we move 4 numbers to the right of -2.
- (ii) Which number will we reach if we move 5 numbers to the left of 1.
- (iii) If we are at -8 on the number line, in which direction should we move to reach -13?
- (iv) If we are at -6 on the number line, in which direction should we move to reach -1?

Q6. Following is the list of temperatures of five places in India, on a particular day of the year.

Place	Temperature	
Siachin	10°C below 0°C
Shimla	2°C below 0°C
Ahmedabad	30°C above 0°C
Delhi	20°C above 0°C
Srinagar	5°C below 0°C

- (i) Write the temperatures of these places in the form of integers in the blank column.
- (ii) Following is the number line representing the temperature in degree Celsius.



Plot the name of the city against its temperature.

- (iii) Which is the coolest place?
- (iv) Write the names of the places whose temperatures are above 10°C.

Q7. For the following statements write True (T) or False (F). If the statement is false, correct the statement.

- (i) -8 is to the right of -10 on a number line.
- (ii) -100 is to the right of -50 on a number line.
- (iii) Smallest negative integers is -1.
- (iv) -26 is larger than -25.

Q8. Using the number line, Write the integer which is:

- (i) 4 more than -1
- (ii) 5 less than 3.

Q9. Add 379 and -976

Q10. Find the sum:

- (i) $(-45) + (-37) + 123$
- (ii) $-480 + (-58) + 7 + (-21)$

Q11. Find the solution of the following :

- (i) $(-7) + (+8)$
- (ii) $(-9) + (+13)$
- (iii) $(+7) + (-10)$
- (iv) $(+12) + (-7)$

Q12. Using the number line write the integer which is:

- (i) 3 more than 5
- (ii) 5 more than -5
- (iii) 6 less than 2
- (iv) 3 less than -2

Q13. Find the sum of:

- (i) 137 and -354
- (ii) -52 and 52
- (iii) -312, 39 and 192
- (iv) -50, -200 and 300

Q14. Subtract:

- (i) $35 - (20)$
- (ii) $72 - (90)$
- (iii) $(-15) - (-18)$
- (iv) $(-20) - (13)$
- (v) $23 - (-12)$
- (vi) $(-32) - (40)$

Q15. Fill in the blanks:

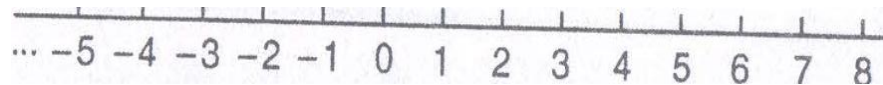
- (i) $(-8) + \underline{\hspace{2cm}} = 0$
- (ii) $13 + \underline{\hspace{2cm}} = 0$
- (iii) $12 + (-12) = \underline{\hspace{2cm}}$
- (iv) $(-4) + \underline{\hspace{2cm}} = -12$
- (v) $\underline{\hspace{2cm}} - 15 = -10.$

Q16. Give the opposite of :

- (i) -17
- (ii) Rise in prices
- (iii) Good in Mathematics.

Q17. Which in each of the following pairs is to the right of the other on the number line?

- (I) $1, 7$
- (II) $-2, -5$
- (III) $0, -3$
- (IV) $-5, 8.$



Q18. Find the sum:

- (i) $176 + (-88) + (-30)$
- (ii) $(-140) - (-70) + (-35).$
- (iii) $1 + (-400) + (-385) - (-190).$
- (iv) $907 + (-7) + (-1) - (+1)$

Q19. If the sum of two integers is 45, one of them is -22, determine the other.

Q20. The sum of two integers is - 396. If one of them is 64, determine the other.

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