

Integers

Question 1.

o is:

- (a) a positive integer
- (b) a negative integer
- (c) neither positive nor negative
- (d) none of these

Answer: (c) neither positive nor negative

Question 2.

What is opposite of '50 km of south'?

- (a) 50 km of east
- (b) 50 km of west
- (c) 50 km of north
- (d) None of these

Answer: (c) 50 km of north

Question 3.

Sum of -30 and -12 is

- (a) -42
- (b) 42
- (c) -18
- (d) 18

Answer: (a) -42

Question 4.

Compare pairs of numbers using $>$ or $<$: 0 _____ -15

- (a) $<$
- (b) $=$

- (c) $>$
(d) None of these

Answer: (c) $>$

Question 5.

$10 - (-6)$ is:

- (a) 16
(b) 4
(c) 60
(d) 6

Answer: (a) 16

Question 6.

What must be added to -35 to get 35?

- (a) 40
(b) 70
(c) 0
(d) 100

Answer: (b) 70

Question 7.

The absolute value of -10 is:

- (a) -10
(b) 10
(c) -11
(d) -9

Answer: (b) 10

Question 8.

Absolute value of -11 is

- (a) 0
(b) 11
(c) 1
(d) -11

Answer: (b) 11

Question 9.

Product of -140 and +8 is

- (a) 1120
- (b) 3200
- (c) -1120
- (d) -3200

Answer: (c) -1120

Question 10.

$(-4) + (+3) =$ _____

- (a) 7
- (b) -1
- (c) 6
- (d) None of these

Answer: (b) -1

Question 11.

value of $|-6| + |-5|$ is:

- (a) -11
- (b) 11
- (c) -1
- (d) 1

Answer: (b) 11

Question 12.

The absolute value of an integer is:

- (a) always positive
- (b) always negative
- (c) sometime positive and sometime negative
- (d) none of these

Answer: (a) always positive

Question 13.

Which of the following number is not to the left of -10 on the number line?

- (a) -12

- (b) -11
- (c) -9
- (d) -13

Answer: (c) -9

Question 14.

Every negative integer is less than :

- (a) -1
- (b) 0
- (c) -2
- (d) none of these

Answer: (b) 0

Question 15.

value of 2 less than -1 is:

- (a) -3
- (b) 3
- (c) 2
- (d) -4

Answer: (a) -3

Question 16.

To which side of 0 on a horizontal number line are the negative integers located?

- (a) Right
- (b) Left
- (c) Above
- (d) Below

Answer: (b) Left

Question 17.

Which of the following is the greatest negative integer?

- (a) -100
- (b) Does not exist.
- (c) -1
- (d) -9

Answer: (c) -1

Question 18.

Value of $12 + |-6|$ is:

- (a) 6
- (b) 18
- (c) 12
- (d) none of these

Answer: (b) 18

Question 19.

The greatest negative integer is:

- (a) -1
- (b) 0
- (c) not determinable
- (d) none of these

Answer: (a) -1

Question 20.

Which number is neither positive nor negative?

- (a) 1
- (b) 5
- (c) 0
- (d) 10

Answer: (c) 0

Question 21.

Which of the following integers is greater than -1 and lesser than 7 ?

- (a) -9
- (b) -5
- (c) 5
- (d) 8

Answer: (c) 5

Question 22.

Value of 3 more than -5 is:

- (a) 2
- (b) -2
- (c) 3
- (d) -3

Answer: (b) -2

Question 23.

What must be added to -135 to get -142?

- (a) 7
- (b) 277
- (c) -7
- (d) -277

Answer: (c) -7

Question 24.

Which of the following number is greater than -1?

- (a) -12
- (b) -3
- (c) 2
- (d) -2

Answer: (c) 2

Question 25.

The opposite of -7 is

- (a) -6
- (b) 6
- (c) 7
- (d) -5

Answer: (c) 7

Question 26.

Value of $-45 + 30$ is:

- (a) 75
- (b) -15

- (c) 30
- (d) none of these

Answer: (b) -15

Question 27.

The integer is 4 is more than -5:

- (a) 1
- (b) 9
- (c) -1
- (d) none of these

Answer: (c) -1

Question 28.

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

- (a) -30
- (b) 20
- (c) 30
- (d) None of these

Answer: (c) 30

Question 29.

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

- (a) -150
- (b) 150
- (c) 200
- (d) None of these

Answer: (a) -150

Question 30.

Value of $-15 - 16$ is:

- (a) -31
- (b) 37
- (c) 40
- (d) -40

Answer: (a) -31

Question 31.

Which is the right form of integer 20°C above 0°C ’?

- (a) -20
- (b) 30
- (c) 20
- (d) None of these

Answer: (c) 20

Question 32.

Sum of two negative numbers is always

- (a) 0
- (b) 1
- (c) positive
- (d) negative

Answer: (d) negative

Question 33.

Opposite of 7 is:

- (a) 7
- (b) 14
- (c) -7
- (d) 12

Answer: (c) -7

Question 34.

Value of $(-6) + (-15) + 10$ is:

- (a) 11
- (b) -11
- (c) 31
- (d) -31

Answer: (b) -11

Question 35.

Farther a number from zero on the right, _____ is its value.

- (a) equal

- (b) larger
- (c) smaller
- (d) None of these

Answer: (b) larger

Question 36.

The smallest positive integer is:

- (a) 0
- (b) 1
- (c) not determinable
- (d) none of these

Answer: (b) 1

Question 37.

If $a \times (b - c)$ is 8 for $a = 2$, $b = 10$ and $c = 6$ then $a \times b - a \times c$ is equal to

- (a) (-8)
- (b) 12
- (c) 10
- (d) 8

Answer: (d) 8

Question 38.

On a vertical number line, where are the positive numbers placed?

- (a) To the right of 0.
- (b) To the left of 0.
- (c) Above 0.
- (d) Below zero.

Answer: (c) Above 0.

Question 39.

In addition and subtraction of the integers the sign of answer depends upon

- (a) their sum
- (b) their difference
- (c) smaller number
- (d) greater numerical value

Answer: (d) greater numerical value

Question 40.

Opposite of -4 is:

- (a) -16
- (b) 16
- (c) 4
- (d) -4

Answer: (c) 4

Question 41.

Value of $|-6| - |-5|$ is:

- (a) 11
- (b) -11
- (c) 1
- (d) -1

Answer: (c) 1

Question 42.

What is the integer representation of walking 3km south?

- (a) Walking 3 km towards the north
- (b) -3 km
- (c) +3 km
- (d) +3

Answer: (b) -3 km

Fill in the blanks:

1. Multiplicative inverse of 3 is

Answer: $\frac{1}{3}$

2. Multiplicative inverse of $\frac{1}{2}$ is

Answer: 2

3. $4 - |-4| + 1 = \dots\dots\dots$

Answer: 1

4. Product of $7 \times (-6) = \dots\dots\dots$

Answer: -42

5. Value of $4 \times 3 \times 0$ is $\dots\dots\dots$

Answer: 0

6. What is $(-70) \div 7 \dots\dots\dots$

Answer: -10

7. What is $96 \div (-16) \dots\dots\dots$

Answer: -6

8. Value of a in $a \div 3 = -21$ is $\dots\dots\dots$

Answer: -63

9. Value of $(-1)^3$ is $\dots\dots\dots$

Answer: -1

10. Value of x from the equation $-19x = 95$ is $\dots\dots\dots$

Answer: -5

11. What is the opposite of 15 km to the North? $\dots\dots\dots$

Answer: 15km to the south

12. Write all integers between -25 and -20

Answer: -24, -23, -22, -21

13. Find the value of $112 + |-6|$

Answer: 18

14. Opposite of -125 is

Answer: 125

15. Sum of -45 and 30 is

Answer: -15

16. Which is greater -65 or -56

Answer: -56

17. $-5 + (-11) =$

Answer: -16

18. $8 + (-6) =$

Answer: 2

Match the following:

1

(a) $(-1)^4$	(i) -16
(b) $(-1)^3$	(ii) -11
(c) $96 \div (-6)$	(iii) 8
(d) $- -11 $	(iv) -10

(e) $-15+15$	(v) -1
(f) $-2+3+7$	(vi) -500
(g) successor of -11 is	(vii) 0
(h) predecessor of -7 is	(viii) 1
(i) loss of Rs. 500	(ix) -8
(j) Multiplicative inverse of 2	(x) $\frac{1}{2}$

Answer:

(a) $(-1)^4$	(viii) 1
(b) $(-1)^3$	(v) -1
(c) $96 \div (-6)$	(i) -16
(d) $- -11 $	(ii) -11
(e) $-15+15$	(vii) 0
(f) $-2+3+7$	(iii) 8
(g) successor of -11 is	(iv) -10
(h) predecessor of -7 is	(ix) -8
(i) loss of Rs. 500	(vi) -500
(j) Multiplicative inverse of 2	(x) $\frac{1}{2}$