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Time: 2 Hour Total Marks: 55

**Class : VI**

**Subject : Mathematics**

## MCQ SINGLE CORRECT

1. (–8) + ----- = 0

   **(a)** –8 **(b)** 8

   **(c)** 0 **(d)** –13

2. 13 + ----- = 0

   **(a)** –13 **(b)** 13

   **(c)** 0 **(d)** –12

3. 12 + (–12) = -----

   **(a)** 12 **(b)** –12

   **(c)** 0 **(d)** 8

4. (–4) + ----- = –12

   **(a)** 4 **(b)** –8

   **(c)** 8 **(d)** 0



5. ----- –15 = –10

   **(a)** –5 **(b)** +5

   **(c)** 0 **(d)** –4

## TRUE/FALSE

6. All the sides of a parallelogram are of equal length.

   **(a)** True **(b)** False

7. If an even number is divided by 2, the quotient is always odd.

   **(a)** True **(b)** False

8. The measure of one complete revolution = 360°.

   **(a)** True **(b)** False

9. All whole numbers are natural numbers.

   **(a)** True **(b)** False

10. 400 is the predecessor of 399.

All The Best!!!

**(a)** True **(b)** False

**FILL IN THE BLANKS**

11. 1 lakh = _____ ten thousand.
12. The smallest prime number is _____.
13. 1 million = _____ hundred thousand.
14. An angle whose measure is less than that of right angle is _____.
15. The smallest composite number is _____.

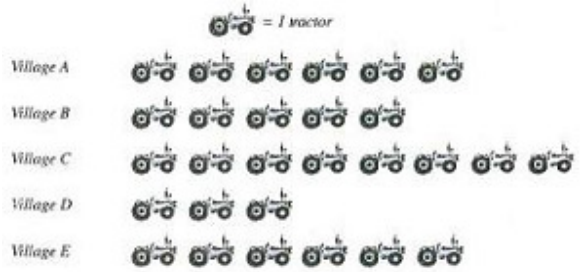
**VERY SHORT DESC**

16. Is every chord of a circle also a diameter?
17. A number is divisible by 12. By what other numbers will that number be divisible?
18. If there are 50 mangoes in a box, how will you write the total number of mangoes in terms of the number of boxes ? (use b for the number of students.)
19. Express as metre using decimal :
    9 m 7 cm
20. Solve :
    $\frac{7}{7} - \frac{5}{7}$



**SHORT DESC - 25 WORDS**

21. Find the L.C.M. of the following number in which one number is the factor of the other.
    9, 45
22. Find first three common multiples of :
    6 and 8.
23. Following pictograph shows the number of tractors in five villages :




    Observe the pictograph and answers the following questions :
    (i) Which village has the minimum number of tractors ?
    (ii) Which village has the maximum number of tractors ?
    (iii) How many more tractors village C has as compared to village B ?
    (iv) What is total number of tractors in all the five villages ?
24. Which direction will you face if you start facing
    (a) east and make $\frac{1}{2}$ of a revolution clockwise?

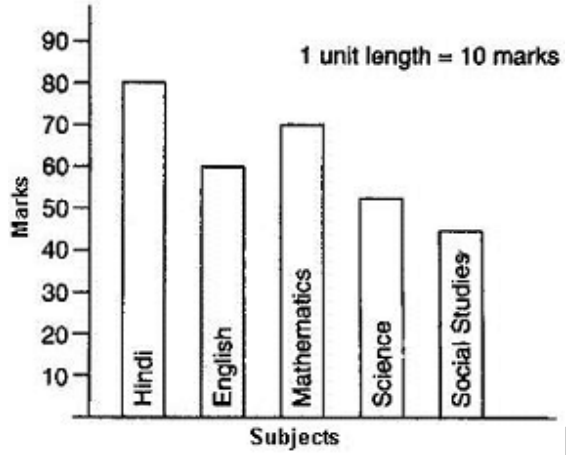
(b) east and make $1\frac{1}{2}$ revolution clockwise.

(c) west and make $\frac{3}{4}$ revolution anti-clockwise.

(d) south and make one full revolution?

25. Write the following decimals in the place value table :
(a) 19.4
(b) 0.3
(c) 10.6
(d) 205.9

26. Observe this bar graph which shows the marks obtained by Aziz in half-yearly examination in different subjects.




Answer the given questions.
(a) What information does the bar graph give ?
(b) Name the subject in which Aziz scored maximum marks.
(c) Name the subject in which he has scored minimum marks.
(d) State the name of the subjects and mark obtained in wach of them.

27. Krishna received a CD player for her birthday. She bought 3 CDs and received 5 others as gifts. What fraction of her total CDs did she buy and what fraction did she receive as gifts ?

28. Express the following as the sum of two odd primes :
(a) 44 (b) 36 (c) 24 (d) 18.

**MED DESC - 50 WORDS**

29. Rashid spent Rs 35.75 for Maths book and Rs 32.60 for science book. Find the total amount spent by Rashid.

30. Draw a circle with centre C and radius 3.4cm. Draw any chord $\overline{AB}$. Construct the perpendicular bisector of $\overline{AB}$ and examine, if it passes through C.

31. Find the solution of (–2) + 6 using a number line :

32. Sunita travels 15 km 268 m by bus, 7 km 7 m by car and 500 m by foot in order to reach her school. How far is her school from her residence ?

33. Round these numbers to the nearest tens.
28 32 52 41 39 48 64 59 99 215 1453 2936

**MATCH THE PAIRS**

34. Match the items in column 1 with the items in column 2 :

| Column I | Column II |
|---|---|
| (i) 35 | (a) Multiple of 8. |
| (ii) 15 | (b) Multiple of 7. |
| (iii) 16 | (c) Factor of 20. |
| (iv) 20 | (d) Factor of 30 |
| (v) 25 | (e) Factor of 50. |

**(a)** (i) - (e) , (ii) - (d), (iii) - (a), (iv) - (c), (v) - (b) **(b)** (i) - (b) , (ii) - (d), (iii) - (a), (iv) - (c), (v) - (e)

**(c)** (i) - (d) , (ii) - (e), (iii) - (a), (iv) - (c), (v) - (b) **(d)** None of these

35. Match the following :

| | |
|---|---|
| (i) 425 × 136 = 425 × (6 + 30 + 100) | (a) Commutativity under multiplication |
| (ii) 2 × 49 × 50 = 2 × 50 × 49 | (b) Commutativity under addition |
| (iii) 80 + 2005 + 20 = 80 + 20 + 2005 | (c) Distributivity of multiplication over addition. |

**(a)** (i) - (c), (ii) - (a) , (iii) - (b) **(b)** (i) - (b), (ii) - (a) , (iii) - (c)

**(c)** (i) - (c), (ii) - (b) , (iii) - (a) **(d)** None of these