

VISWADEEPTHI MATRICULATION HIGHER SECONDARY SCHOOL
TERM - 1
STUDY MATERIAL

CLASS : V STD

SUBJECT: MATHS

I. Choose the Correct Answer:

1. Which 3D shape has 6 equal square faces?

- a) Cuboid b) Cube c) Cone d) Cylinder

Answer: b) Cube

2. Which shape has two circular faces and one curved surface?

- a) Sphere b) Cone c) Cylinder d) Cube

Answer: c) Cylinder

3. A cone has _____ circular base.

- a) 1 b) 2 c) 3 d) 4

Answer: a) 1

4. A cuboid has _____ faces.

- a) 4 b) 5 c) 6 d) 8

Answer: c) 6

5. A right angle measures:

- a) 45° b) 90° c) 180° d) 360°

Answer: b) 90°

6. An angle less than 90° is called:

- a) Obtuse b) Right c) Acute d) Straight

Answer: c) Acute angle

7. An angle measuring 180° is called:

- a) Acute b) Right c) Obtuse d) Straight

Answer: d) Straight angle

8. A line that divides a figure into two equal halves is called:

- a) Line segment b) Line of symmetry c) Ray d) Angle

Answer: b) Line of symmetry

9. The greatest 4-digit number is:

- a) 9,000 b) 9,999 c) 10,000 d) 9,090

Answer: b) 9,999

10. $3,245 + 1,532 =$

- a) 4,777 b) 4,677 c) 4,877 d) 4,767

Answer: a) 4,777

11. $8,000 - 2,345 =$

- a) 5,655 b) 5,565 c) 6,655 d) 5,755

Answer: a) 5,655

12. $125 \times 4 =$

- a) 400 b) 450 c) 500 d) 550

Answer: c) 500

13. $864 \div 8 =$

- a) 98 b) 108 c) 118 d) 128

Answer: b) 108

14. Which is a square number?

- a) 12 b) 16 c) 18 d) 20

Answer: b) 16

15. What comes next? 4, 9, 16, 25, ____

- a) 30 b) 36 c) 40 d) 49

Answer: b) 36

16. Which is a triangular number?

- a) 7 b) 8 c) 10 d) 12

Answer: c) 10

17. The square of 8 is

- a) 16 b) 32 c) 64 d) 72

Answer: c) 64

18. $245 \text{ m} + 135 \text{ m} =$

- a) 370 m b) 380 m c) 390 m d) 400 m

Answer: b) 380 m

19. $450 \text{ cm} =$

- a) 4 m 50 cm b) 45 m c) 4 m 5 cm d) 5 m

Answer: a) 4 m 50 cm

20. 21:15 hrs in standard time is:

- a) 9:15 a.m. b) 9:15 p.m. c) 11:15 p.m.

Answer: b) 9:15 p.m.

B. Fill in the Blanks:

1. A cube has _____ faces.
2. A cuboid has _____ vertices.
3. The net of a cube contains _____ squares.
4. An angle of 45° is an _____ angle.
5. An angle of 120° is an _____ angle.
6. A square has _____ lines of symmetry.
7. The smallest 4-digit number is _____.
8. $2,500 + 500 =$ _____.
9. $7,654 - 654 =$ _____.
10. In $48 \div 6 = 8$, 6 is the _____.
11. In $6 \times 8 = 48$, 6 is the _____.
12. 1, 4, 9, 16, _____, 36.
13. The square of 6 is _____.
14. 1, 3, 6, 10, _____, 21.
15. The first triangular number is _____.
16. 25 m = _____ cm.
17. 350 cm = _____ m _____ cm.
18. 4:20 p.m. = _____ in railway time.
19. 19:45 = _____ in standard time.
20. Tally marks are used to record _____.

Answer: 6

Answer: 8

Answer: 6

Answer: Acute

Answer: Obtuse

Answer: 4

Answer: 1,000

Answer: 3,000

Answer: 7,000

Answer: Divisor

Answer: Multiplicand

Answer: 25

Answer: 36

Answer: 15

Answer: 1

Answer: 2,500 cm

Answer: 3 m 50 cm

Answer: 16:20

Answer: 7:45 p.m.

Answer: Data

C. Answer in One Word:

1. Name the 3D shape that looks like a ball.
2. Name the 3D shape that has 6 rectangular faces.
3. What type of angle is 30° ?
4. What type of angle is 150° ?
5. What is the successor of 4,999

Answer: Sphere

Answer: Cuboid

Answer: Acute angle

Answer: Obtuse angle

Answer: 5,000

6. What is the predecessor of 6,000?

Answer: 5,999

7. What is $720 \div 9$?

Answer: 80

8. What is the square of 7?

Answer: 49

9. How many centimetres are there in 1 metre?

Answer: 100 cm

10. Which graph uses pictures to represent information? **Answer: Pictograph**

Answer the following:

1. Define 3 D shapes? Give examples.

Ans: 3D shapes are solid objects that have three dimensions. These dimensions are length, breadth and height.

Examples: cube, cuboid, cone, sphere.

2. Write the number names of (i) 13,192 ; (ii) 7,43,145

Ans: i) 13,192 = Thirteen thousand one hundred and ninety two.

(ii) 7,43,145 = Seven lakhs forty three thousand one hundred and forty five.

3. Write in ascending and descending order:

246510, 245610, 241650, 240165, 245000.

Ans:

Ascending order is: 240165, 241650, 245000, 245610, 246510.

Descending order is: 246510, 245610, 245000, 241650, 240165.

4. Add: 32561, 80651, 6053, 963.

Ans: 32,451

80,651

6,053

963

1,20,118

5. Raghu purchased books for ₹ 5549. He gave ₹ 6000 to the shopkeeper. How much money did he get back?

Ans:

Amount given to the shopkeeper = 6000

Cost of books = 5549

He Got back = 451

Rahul got back ₹ 451 from the shopkeeper.

6. There are 365 fruits in a basket how many fruits are there in 67 baskets.

Ans:

Fruits in one basket = 365

Fruits in 67 baskets = 365×67

$$\begin{array}{r} 365 \\ \times 67 \\ \hline 2555 \quad (365 \times 7) \\ + 21900 \quad (365 \times 60) \\ \hline 24455 \end{array}$$

There are 24455 fruits in 67 baskets.

7. Define: pattern.

Ans: patterns are regularly repeated arrangement of colours, shapes, designs, lines etc on a surface.

8. Convert into hours:

(i) 480 minutes = $480 \div 60 = 8$ hrs