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(Affiliated to CBSE up to +2 Level)

CLASS: VIII **SUB.: MATHS (NCERT BASED)** **DATE: 12-10-2020**

MULTIPLE CHOICE QUESTIONS

1. Which of the following is the once of a rhombus?

(i) Product of its diagonals (ii) $\frac{1}{2}$ (sum of its diagonals)

(iii) 2 (Product of its diagonals) (iv) 2 (Product of its diagonals)

2. If the edge of a cube is 1 cm then which of the following is its volume?

(i) 6 m^3 (ii) 3 m^3 (iii) 1 m^3 (iv) none of these

3. If the parallel sides of a parallelogram are 2 cm apart and their sum is 10 cm then its area is:

(i) 20 cm^2 (ii) 5 cm^2 (iii) 10 cm^2 (iv) none of these

4. Which of the following has its area and perimeter numerically equal?

(i) an equilateral triangle of side 1 cm (ii) a square of side 1 cm

(iii) a square of side 1 cm (iv) a regular pentagon of side 1 cm.

5. If the edge of a cube is 1 cm then which of the following is its total surface area?

(i) 1 cm^2 (ii) 4 cm^2 (iii) 6 cm^2 (iv) none of these

6. Which of the following is equal to 1 kilolitre?

(i) 1000 millilitres (ii) 100 dm^3 (iii) 1 dm^3 (iv) 1000 dm^3

7. If the dimensions of a room are I, b and h, (∴ l → length,b → breadth and h → hight) them which of the following is the area of its four walls?

(i) 2 l(h + h) (ii) 2 h + l + b (iii) 2 h(l + b) (iv) None of these

8. If the dimensions of a room are 2 m, 3 and 4 m then which of the following is the number of cubes of size $\frac{1}{2}m \times \frac{1}{3}m \times \frac{1}{4}m$ which can he placed is the room?

(i) 960 (ii) 672 (iii) 676 (iv) 576

9. If base area of a room 12 m^2 and height is 3 m then its volume is:

(i) 4 m^3 (ii) 36 m^3 (iii) 12 m^3 (iv) 18 m^3

10. Two identical cubes each of total surface area of 6 cm^2 are joined end to end. Which of the following is the total surface area of the cuboid so formed?

(i) 12 cm^2 (ii) 18 cm^2 (iii) 10 cm^2 (iv) 8 cm^2