

Mensuration: Worksheet -5

1. What is the area of a rhombus whose diagonals are of lengths 10cm & 8.2 cm? []
 (i) 24cm^2 (ii) 41cm^2 (iii) 42 cm^2 (iv) 25cm^2
2. What is the area of a trapezium whose two parallel sides are 10 cm & 12cm & height 4cm? []
 (i) 42cm^2 (ii) 44cm^2 (iii) 46 cm^2 (iv) 48cm^2
3. The area of a rhombus is 240 cm^2 . If one of its diagonals is 16 cm, what the length of its other diagonal is? []
 (i) 32cm (ii) 30cm (iii) 45 cm (iv) 48cm
4. If each side of an equilateral triangle is doubled, then its area becomes how many times? []
 (i) 2 (ii) 3 (iii) 4 (iv) 8
5. What is the total surface area of a cuboid of dimensions 4cm, 5cm & 6cm ? []
 (i) 142cm^2 (ii) 144cm^2 (iii) 146 cm^2 (iv) 148cm^2
6. What is the lateral surface area of a cube of side 5cm? []
 (i) 150cm^2 (ii) 100cm^2 (iii) 140 cm^2 (iv) 130cm^2
7. What is the volume of a cuboid whose dimensions are $5\text{ cm} \times 3\text{ cm} \times 2\text{ cm}$? []
 (i) 24cm^3 (ii) 20cm^3 (iii) 30 cm^3 (iv) 17cm^3
8. What is the volume of a sphere whose radius is 3cm ? []
 (i) $24\pi\text{cm}^3$ (ii) $36\pi\text{cm}^3$ (iii) $30\pi\text{ cm}^3$ (iv) $27\pi\text{cm}^3$



9. What is the curved surface area of a cone of radius 3cm & height 4 cm? []

- (i) $14\pi\text{cm}^2$ (ii) $15\pi\text{cm}^2$ (iii) $16\pi\text{cm}^2$ (iv) $17\pi\text{cm}^2$

10. If the height of a cylinder is halved, its volume becomes how many times? []

- (i) $1/2$ (ii) $1/3$ (iii) 2 (iv) 3

