

## Measurement (7 th std)

### Choose the Appropriate Answer

1. The perimeter of a parallelogram whose adjacent sides are 6 cm and 5 cm is

(a) 12 cm      (b) 10 cm      (c) 24 cm      (d) 22 cm

**Ans: (d) 22 cm**

$$\begin{aligned}\text{Perimeter of the parallelogram} &= 2 \times (b + h) \\ &= 2 \times (6 + 5) = 2 \times 11 = 22 \text{ cm}\end{aligned}$$

2. The area of a parallelogram whose base 10 m and height 7 m is

(a) 70 sq. m      (b) 35 sq. m      (c) 7 sq. m      (d) 10 sq. m

**Ans: (a) 70 sq.m**

$$\begin{aligned}\text{Area of the parallelogram} &= \text{base} \times \text{height} \\ &= 10 \text{ m} \times 7 \text{ m} = 70 \text{ sq.m}\end{aligned}$$

3. The base of the parallelogram with area is 52 sq. cm and height 4 cm is

(a) 48 cm      (b) 104 cm      (c) 13 cm      (d) 26 cm

**Ans: (c) 13 cm**

$$\text{Base} = \text{Area} / \text{Height} = 52 \text{ sq. cm} / 4 \text{ cm} = 13 \text{ cm}$$

4. What happens to the area of the parallelogram, if the base is increased 2 times and the height is halved?

(a) Decreases to half      (b) Remains the same      (c) Increases by two times      (d) none

**Ans: (b) Remains the same**

5. In a parallelogram the base is three times its height. If the height is 8 cm then the area is

(a) 64 sq. cm      (b) 192 sq. cm      (c) 32 sq. cm      (d) 72 sq. cm

**Ans: (b) 192 sq. cm**

6. The area of the rhombus with side 4 cm and height 3 cm is

(a) 7 sq. cm      (b) 24 sq. cm      (c) 12 sq. cm      (d) 10 sq. cm

**Ans: (c) 12 sq. cm**

$$\text{Area} = \text{Base} \times \text{Height} = 4 \times 3 = 12 \text{ Sq. cm}$$

7. The area of the rhombus when both diagonals measuring 8 cm is

(a) 64 sq. cm      (b) 32 sq. cm      (c) 30 sq. cm      (d) 16 sq. cm

**Ans: (b) 32 sq. cm**

$$\text{Area} = 1/2 (d_1 \times d_2) = 1/2 \times 8 \times 8 = 32 \text{ sq. cm}$$