

Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: IX

Date:

Name:

ID No.....

Multiple Choice Questions

Write the correct answer for each of the following:

1. The edges of a triangular board are 12 cm, 17 cm and 25 cm. The cost of painting it one of the surface at the rate of 50 paise per cm^2 is

(a) Rs 22.50 (b) Rs 45 (c) Rs 55 (d) Rs 90

Sol.

2. If the side of a rhombus is 10 cm and one diagonal is 16 cm, the area of the rhombus is

(a) 24cm^2 (b) 48cm^2 (c) 96cm^2 (d) 90cm^2

Sol.

3. The perimeter of an isosceles triangle is 44 cm and the ratio of the equal side to its base is 4 : 3. The area of the triangle is

(a) $12\sqrt{55}\text{cm}^2$ (b) $4\sqrt{55}\text{cm}^2$ (c) $3\sqrt{55}\text{cm}^2$ (d) $16\sqrt{55}\text{cm}^2$

Sol.

4. The parallel sides of a trapezium have lengths 42 cm and 26 cm and the distance between them is 16 cm. Its area is

(a) 1088cm^2 (b) 544cm^2 (c) 752cm^2 (d) 815cm^2

Sol.

5. The altitude of an equilateral triangle is $5\sqrt{3}$ cm. The area is

(a) $50\sqrt{3}\text{cm}^2$ (b) $225\sqrt{3}\text{cm}^2$ (c) $40\sqrt{3}\text{cm}^2$ (d) $25\sqrt{3}\text{cm}^2$

Sol.
