

Grade 6 - Find Areas of Polygons (Match with Diagrams)

Activity 1: Match the Formula with the Shape

Match each shape to its correct formula:

- [Triangle Image Here]
- [Rectangle Image Here]
- [Square Image Here]

Formulas:

- A. $\frac{1}{2} \times \text{base} \times \text{height}$
- B. $\text{length} \times \text{width}$
- C. $\text{side} \times \text{side}$

Activity 2: Decompose the Shape

L-shape made of two rectangles:

- [L-Shape Image Here]

Rectangle 1: $8 \text{ cm} \times 4 \text{ cm}$

Rectangle 2: $6 \text{ cm} \times 3 \text{ cm}$

Total Area = _____

Activity 3: Fill in the Blanks

- a) Rectangle: [Image Here] $10 \text{ cm} \times 4 \text{ cm} = \text{_____ cm}^2$
- b) Triangle: [Image Here] base 12 cm , height $5 \text{ cm} = \text{_____ cm}^2$
- c) Square: [Image Here] side $9 \text{ cm} = \text{_____ cm}^2$

Activity 4: Multiple Choice

Combined Shape: [Image of combined rectangle + triangle]

Options:

- A) 50 cm^2 B) 53 cm^2 C) 55 cm^2 D) 57 cm^2

Activity 5: Word Problem

A garden is shaped like a triangle (base 14 m, height 6 m), and a square flowerbed (side 5 m) is next to it.

[Insert Garden + Flowerbed Diagram Here]

Total area = _____ m²