

## 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  $12 \text{ cm}$ , 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)  $50 \text{ cm}^2$    B)  $53 \text{ cm}^2$    C)  $55 \text{ cm}^2$    D)  $57 \text{ cm}^2$

### 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 = \_\_\_\_\_ m<sup>2</sup>