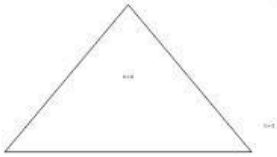


Grade 6 - Find Areas of Polygons (With Diagrams)

Activity 1: Match the Formula with the Shape

Match each shape to its correct formula:

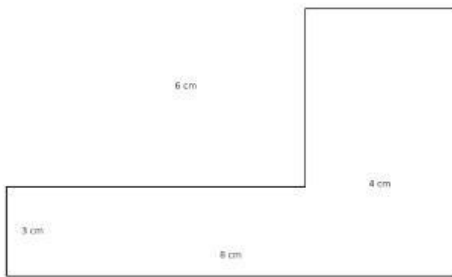


Formulas:

- 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:



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

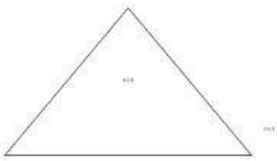
Rectangle 2: $6\text{ cm} \times 3\text{ cm}$

Total Area = _____

Activity 3: Fill in the Blanks



a) Rectangle: $10 \text{ cm} \times 4 \text{ cm} = \underline{\hspace{2cm}} \text{ cm}^2$

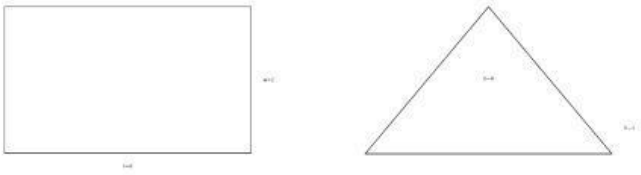


b) Triangle: base 12 cm , height $5 \text{ cm} = \underline{\hspace{2cm}} \text{ cm}^2$



c) Square: side $9 \text{ cm} = \underline{\hspace{2cm}} \text{ cm}^2$

Activity 4: Multiple Choice



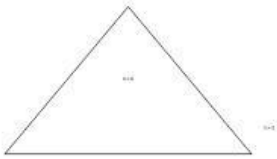
Combined Shape: Rectangle 7x5 cm and Triangle 6x4 cm

Options:

A) 50 cm² B) 53 cm² C) 55 cm² D) 57 cm²

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.



Total area = _____ m²