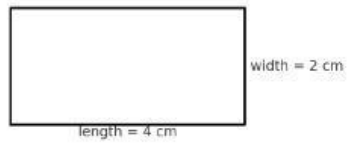
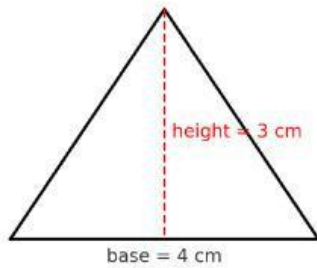


Grade 6 - Find Areas of Polygons

Instructions: Solve the following activities by using area formulas for different polygons. Match shapes with formulas, calculate areas, and solve the real-world problem.

Activity 1: Match the Formula with the Shape

Match each shape below to the correct formula:



Formulas:

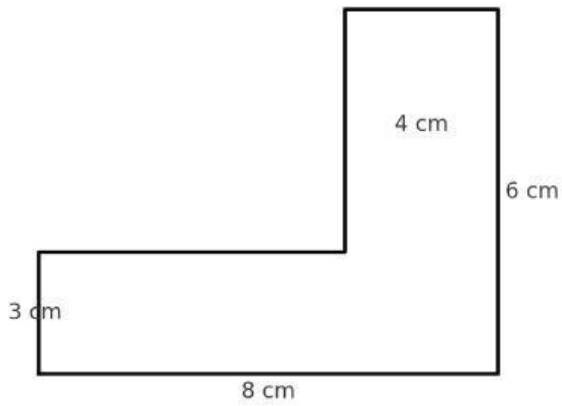
A. Area = $\frac{1}{2} \times \text{base} \times \text{height}$

B. Area = length $\times$ width

C. Area = side $\times$ side

Activity 2: Decompose the Shape

Look at the L-shaped figure below. Decompose it into two rectangles and find their areas, then find the total area.



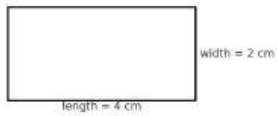
Rectangle 1: $8 \text{ cm} \times 3 \text{ cm} = \underline{\hspace{2cm}} \text{ cm}^2$

Rectangle 2: $4 \text{ cm} \times 3 \text{ cm} = \underline{\hspace{2cm}} \text{ cm}^2$

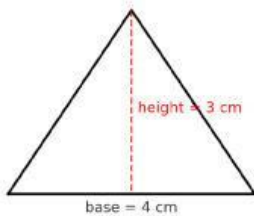
Total Area: $\underline{\hspace{2cm}} \text{ cm}^2$

Activity 3: Fill in the Blanks

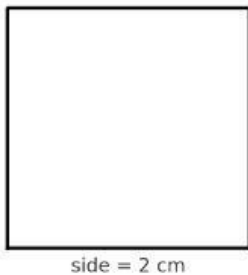
Find the area of each shape using the correct formula.



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



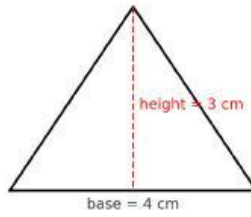
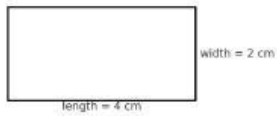
b) Triangle: base 12 cm, height 5 cm = $\underline{\hspace{2cm}} \text{ cm}^2$



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

Activity 4: Multiple Choice

A shape is made of a rectangle (7 cm $\times$ 5 cm) and a triangle (base 6 cm, height 4 cm). What is the total area of the shape?

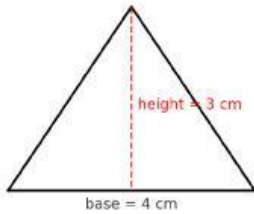


Options:

- 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). Next to it is a square flowerbed (side = 5 m).



What is the total area of the garden and the flowerbed?

Answer: _____ m²