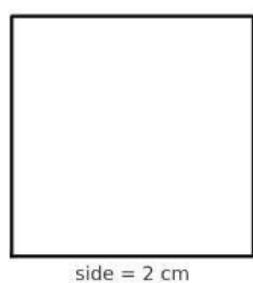
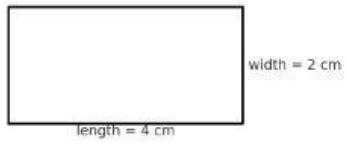
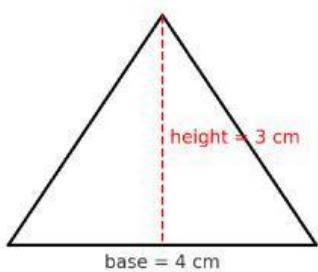


Grade 6 - Find Areas of Polygons

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:

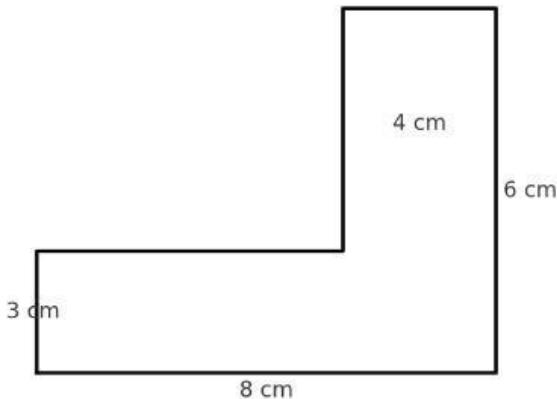


Formulas:

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

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.



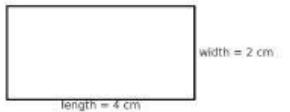
Rectangle 1: $8 \text{ cm} \times 3 \text{ cm} = \underline{\hspace{2cm}}$ cm^2

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

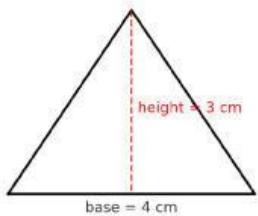
Total Area: $\underline{\hspace{2cm}}$ cm^2

Activity 3: Fill in the Blanks

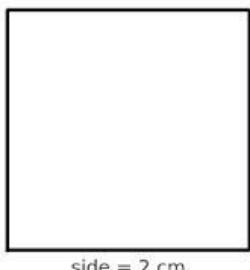
Find the area of each shape using the correct formula.



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



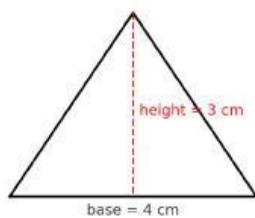
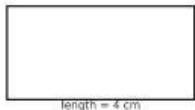
b) Triangle: base 12 cm, height 5 cm = $\underline{\hspace{2cm}}$ cm^2



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

Activity 4: Multiple Choice

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

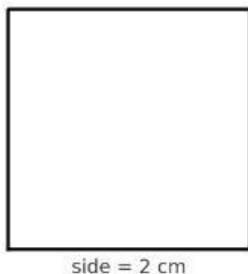
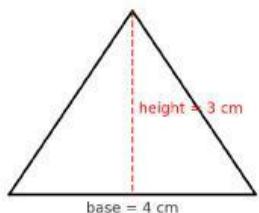


Options:

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



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

Answer: _____ m^2