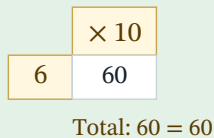


L-SHAPED PATIO AREA

- 1 Draw one straight split line to break the L-shape into two rectangles.
- 2 The first rectangle measures 8 cm by 5 cm so its area is $8 \times 5 = 40 \text{ cm}^2$.
- 3 The second rectangle measures 3 cm by 4 cm so its area is $3 \times 4 = 12 \text{ cm}^2$.
- 4 Add the two areas: $40 + 12 = 52 \text{ cm}^2$ for the whole patio.

WARM-UP

On the outline composite shapes draw the split lines and label the parts.



1. Split the L-shape and label the rectangles 8 cm by 5 cm and 3 cm by 4 cm
2. On the house-shape mark the rectangle 10 cm by 6 cm and the triangle base 8 cm height 5 cm
3. Label the T-shape parts 14 cm by 5 cm and 12 cm by 3 cm then write each sub-area

PRACTICE

- 1 Aoife builds an L-shaped deck for her dollhouse. She splits it into a rectangle 11 cm by 16 cm and another 13 cm by 18 cm. What total area does she cover?
- 2 Liam makes an L-shaped wall panel from two rectangles 12 cm by 4 cm and 6 cm by 5 cm. Find the total area of the panel.
- 3 Orla joins two rectangles 9 cm by 7 cm and 2 cm by 8 cm to build a T-shaped shelf. What is its total area?
- 4 Cian builds a house-shaped gable end with a rectangle 10 cm by 6 cm and a triangle of base 8 cm and height 5 cm. What is the total area?
- 5 Niamh makes a composite roof section: a rectangle 15 cm by 8 cm plus a triangle of base 10 cm and height 6 cm. Find the total area.

? ALWAYS, SOMETIMES, NEVER

Always, sometimes or never true? Write A, S or N.

- An L-shaped composite shape can be broken into two rectangles
- The total area of a composite shape is found by adding the areas of its parts
- Multiplying the longest length by the longest width gives the area of an L-shape.
- Splitting a T-shape gives exactly three rectangles

IRISH FACT

Phoenix Park is enormous

Phoenix Park covers 707 hectares — that's about 7 km², the largest enclosed urban park in any capital city in Europe. It's more than double the size of New York's Central Park.

Office of Public Works

