

Area of triangles

WHAT THIS LESSON TEACHES

A **parallelogram**'s area is **base × height**; a **triangle** is **half** of that, because two triangles make a parallelogram.

→ Parallelogram base 6, height 4 → **24 cm²**.

→ Triangle base 6, height 4 → $\frac{1}{2} \times 6 \times 4 = \mathbf{12 \text{ cm}^2}$.

	× 6
4	24

Total: 24

MODEL THIS ON THE BOARD

FIND THE AREA OF A TRIANGLE WITH BASE 8 CM AND HEIGHT 5 CM

① Area of a triangle = $\frac{1}{2} \times \text{base} \times \text{height}$.

② $\frac{1}{2} \times 8 \times 5 = \frac{1}{2} \times 40 = \mathbf{20 \text{ cm}^2}$.

ANSWER KEY

W1: 15 cm²

W2: 18 cm²

Q1: 30 cm²

Q2: 20 cm²

Spot: A triangle is **half** a rectangle, so area = $\frac{1}{2} \times \text{base} \times \text{height} = \frac{1}{2} \times 40 = \mathbf{20 \text{ cm}^2}$.