

Area of triangles

MODULE 5 · MEASURES — LENGTH, AREA, VOLUME, MASS AND CAPACITY

MEASURES

HOW TO ANSWER TODAY

- **Triangle area.** Area = $\frac{1}{2} \times \text{base} \times \text{perpendicular height}$. The height must be at right angles to the base.

Base 6 cm, height 4 cm $\rightarrow \frac{1}{2} \times 6 \times 4 = 12 \text{ cm}^2$

★ STRETCH PROBLEMS

- 1 Tadhg cuts a triangular pennant from coloured card for the GAA finals day display. The triangle has a base of **4 cm** and a perpendicular height of **7 cm**. What is its area?
- 2 Caoimhe is making a papier-mâché mask for the school play. She cuts a triangular piece of card with a base of **3 cm** and a perpendicular height of **5 cm**. What is the area of the triangle?
- 3 For Engineers Week, Tadhg is cutting a triangular wooden plaque in woodwork class. The triangle has a base of **15 cm** and a perpendicular height of **8 cm**. What is its area?
- 4 Saoirse cuts a triangular piece of card for a classroom display. The base is **9 cm** and the perpendicular height is **3 cm**. What is the area of the triangle?
- 5 Fionn helps plan the layout of the new school polytunnel. On the class plan he draws a triangular planting bed with a base of **4 cm** and a perpendicular height of **2 cm**. What is the area of the triangle?