

Area of triangles: half a rectangle

MODULE 4 · MEASURES — LENGTH, MASS, CAPACITY, AREA, VOLUME

MEASURES

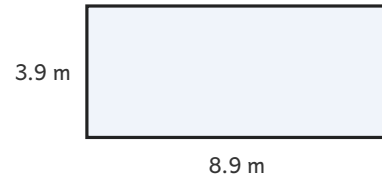
HOW TO ANSWER TODAY

- **Area.** Area = length $\times$ width. Write the answer in square units (cm^2 , m^2).
- **Triangle area.** Area = $\frac{1}{2} \times$ base $\times$ perpendicular height. The height must be at right angles to the base.

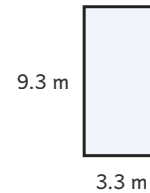
Base 6 cm, height 4 cm $\rightarrow \frac{1}{2} \times 6 \times 4 = 12 \text{ cm}^2$

★ STRETCH PROBLEMS

- 1 5th class are marking out a rectangular vegetable patch in the school garden for Science Week. The patch measures **8.9 m** by **3.9 m**. What is the area of the vegetable patch?



- 2 5th class are planning a new rectangular flowerbed in the school garden. The flowerbed will measure **3.3 m** by **9.3 m**. What will its area be?



- 3 Cara cuts a triangular patch of fabric for the class quilt. The triangle has a base of **5 cm** and a perpendicular height of **12 cm**. What is its area?

- 4 Niamh is cutting a triangular bunting flag for her club's GAA jersey display. The flag has a base of **5 cm** and a perpendicular height of **9 cm**. What is the area of the flag?

- 5 Liam is helping to mark out a rectangular section of the school yard for the summer fair stalls. The section measures **7 m** by **24 m**. What is its area?

