

Module assessment — design a class garden bed

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

NUMBER

HOW TO ANSWER TODAY

- **Convert units.** To a SMALLER unit → multiply. To a BIGGER unit → divide. Common factors:
 $\text{cm} \leftrightarrow \text{mm} \times 10$, $\text{m} \leftrightarrow \text{cm} \times 100$, $\text{km} \leftrightarrow \text{m} \times 1,000$, $\text{kg} \leftrightarrow \text{g} \times 1,000$, $\text{l} \leftrightarrow \text{ml} \times 1,000$.
 $250 \text{ cm} \rightarrow \text{m}: \div 100 = 2.5 \text{ m}$ · $3.5 \text{ kg} \rightarrow \text{g}: \times 1,000 = 3,500 \text{ g}$
- **Area.** Area = length $\times$ width. Write the answer in square units (cm^2 , m^2).
 $5 \text{ m} \times 3 \text{ m} \rightarrow 15 \text{ m}^2$
- **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 $\rightarrow \frac{1}{2} \times 6 \times 4 = 12 \text{ cm}^2$