

Solving real measurement problems

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

NUMBER

HOW TO ANSWER TODAY

- **Perimeter.** Perimeter is the distance ALL the way round. Rectangle: $(\text{length} + \text{width}) \times 2$.
12 m by 8 m $\rightarrow (12 + 8) \times 2 = 40$ m
- **Area.** Area = length $\times$ width. Write the answer in square units (cm^2 , m^2).
5 m $\times$ 3 m $\rightarrow 15$ m^2
- **Convert units.** To a SMALLER unit $\rightarrow$ multiply. To a BIGGER unit $\rightarrow$ 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 cm $\rightarrow$ m: $\div 100 = 2.5$ m · 3.5 kg $\rightarrow$ g: $\times 1,000 = 3,500$ g



$\frac{1}{2}$



$\frac{1}{2}$



$\frac{1}{2}$

