

Area of rectangles by counting rows and columns

MODULE 5 · AREA, PERIMETER AND VOLUME MEASURES

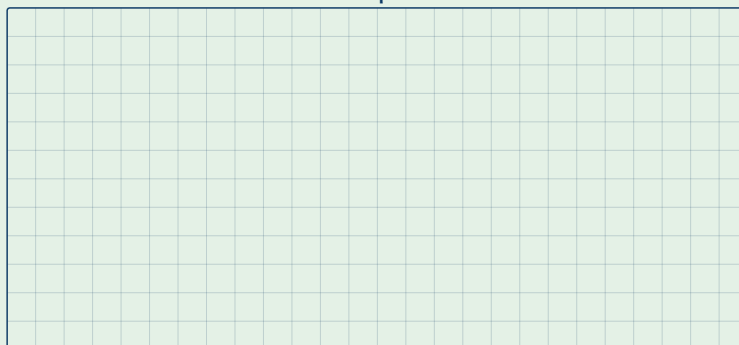
HOW TO ANSWER TODAY

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

TRY IT ON THE LINE

Use the squared space to draw shapes and find their perimeter and area.

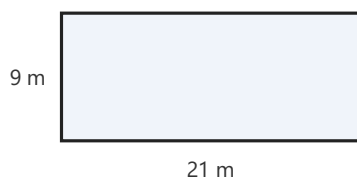
Shapes



1. Draw each rectangle from the lesson on the squares.
2. Find the perimeter by adding the side lengths.
3. Find the area by counting the squares inside.

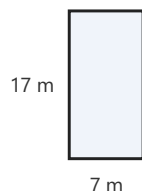
PRACTICE

1



4th class are marking out a rectangular vegetable plot in the school garden. The plot measures **21 m** by **9 m**. What is the area of the plot?

2



Tadhg draws a scale plan of his classroom on grid paper. The classroom measures **7 m** by **17 m**. What is the area of the classroom floor?