WALT

WALT find the area of a triangle

I can:

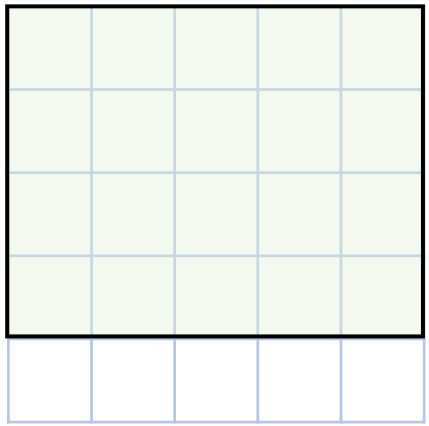
- ✓ calculate the area of a rectangle.
- ✓ determine that if I put two triangles together it makes a rectangle.
- ✓ use the formula to find the area of a triangle.

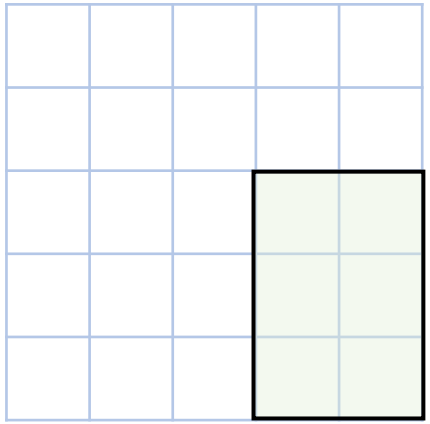
GET READY

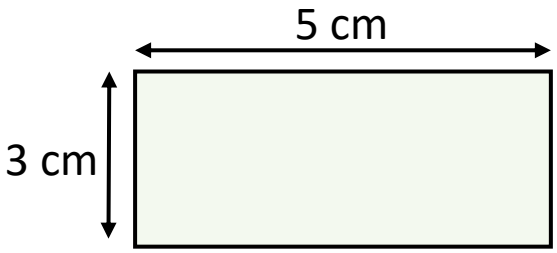
White Rose Maths

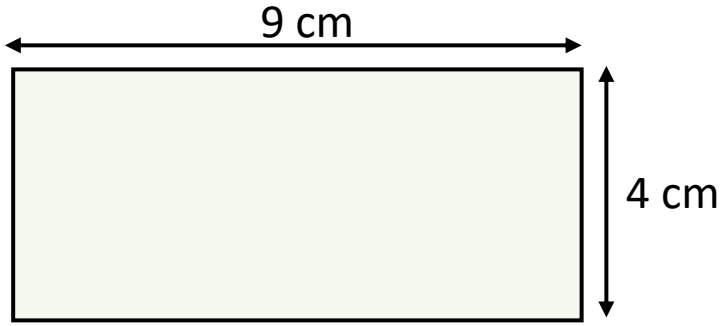
1) Work out the area of the shapes.

Each square represents 1 cm²



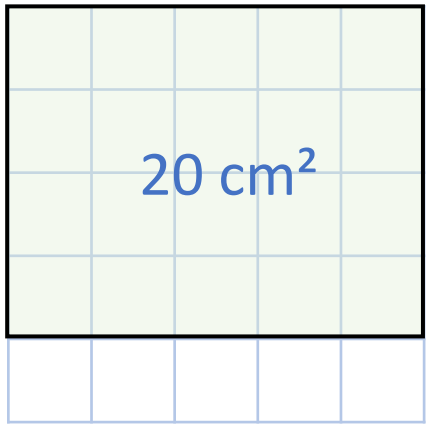


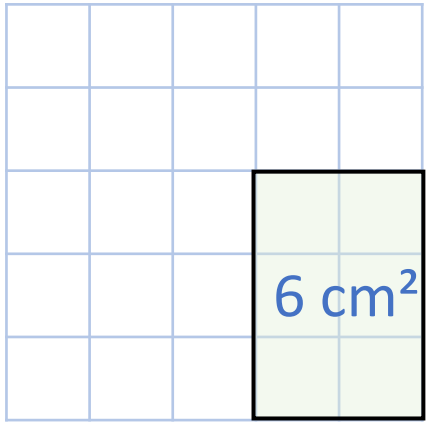


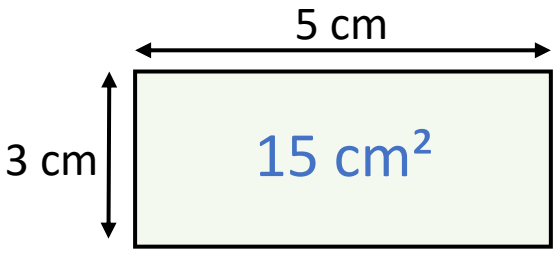


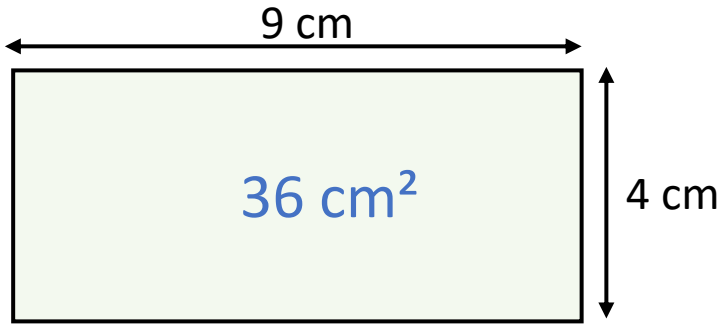
1) Work out the area of the shapes.

Each square represents 1 cm²







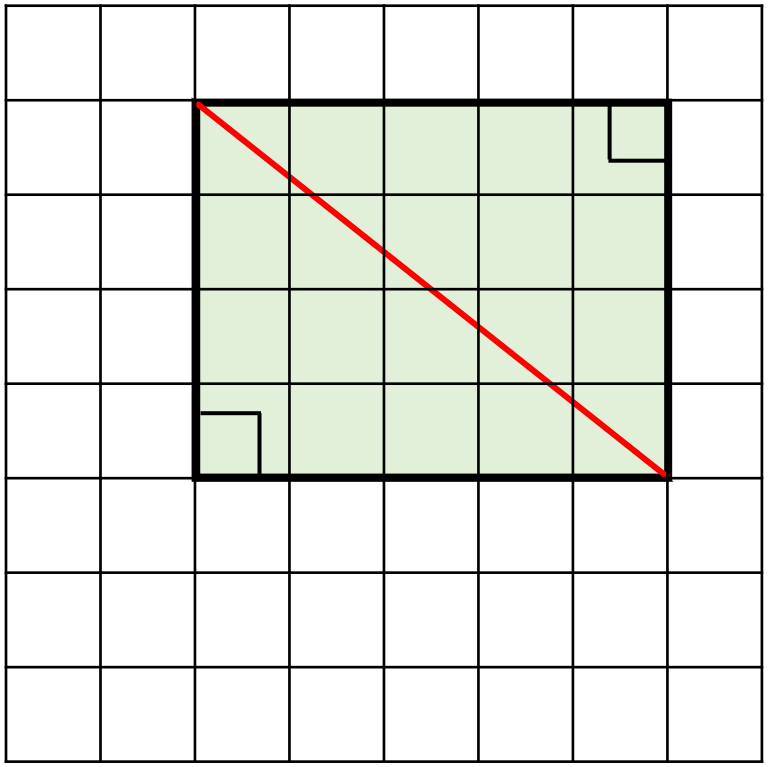


LET'S LEARN

White Rose Maths

Each square represents 1 cm²

Have a think



20 cm²

Area of the triangle

10 cm²

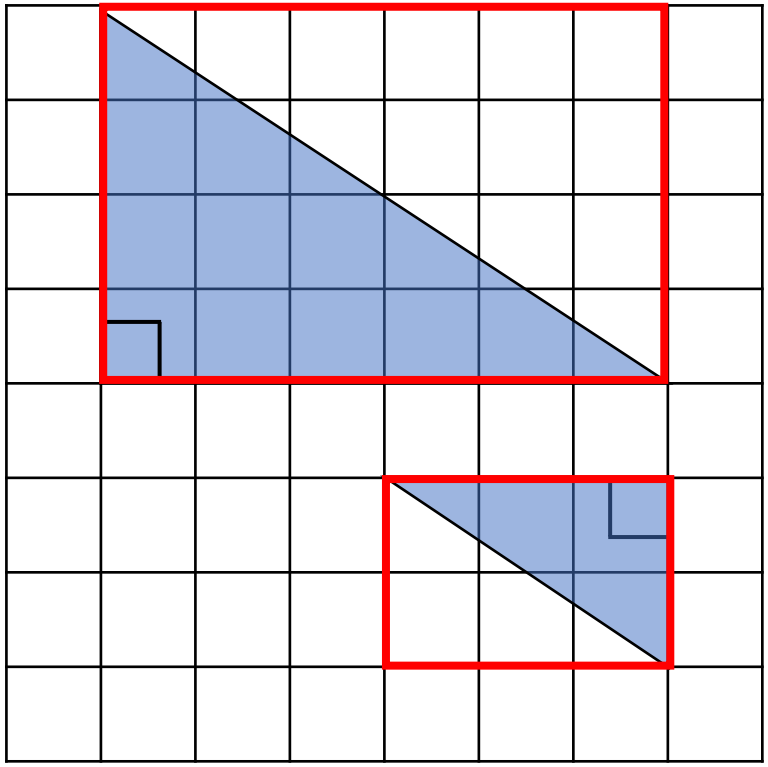
Each square represents 1 cm²

Have a think

Calculate the areas of the right-angled triangles.

6×4

24 cm²

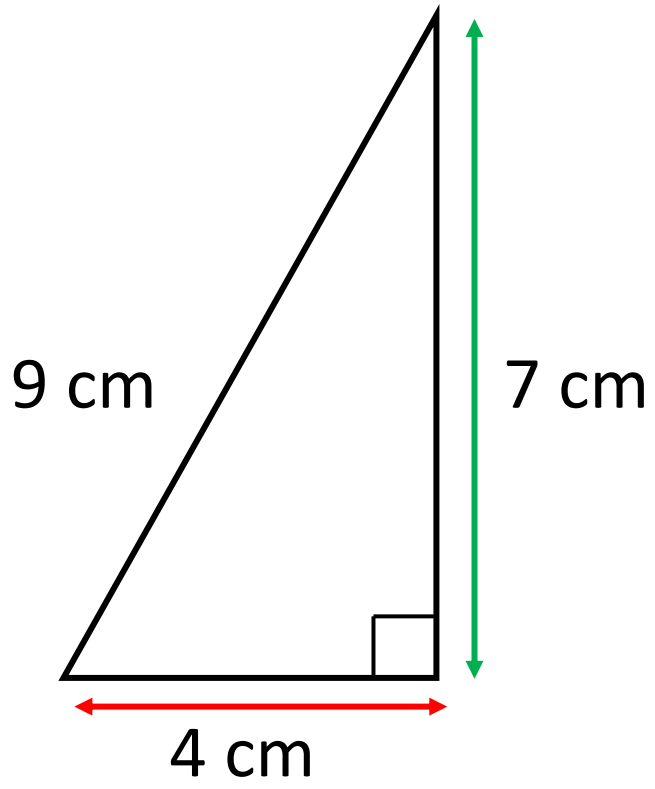


12 cm²

3×2

6 cm²

3 cm²



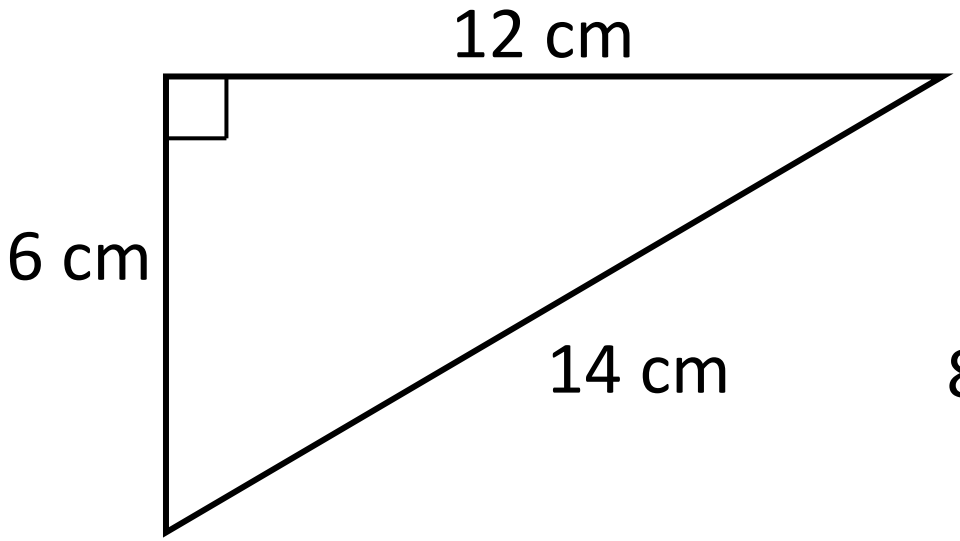
$14\ cm^2$

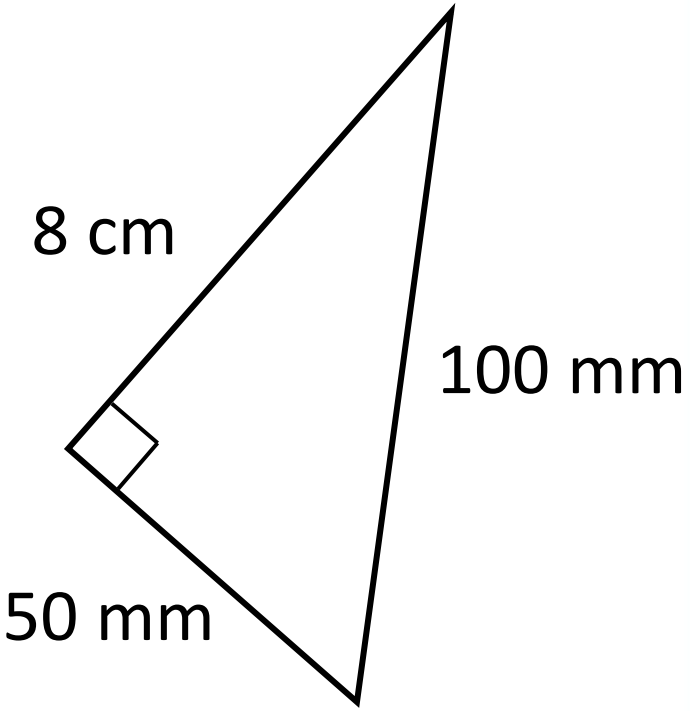
$$\text{Area of a triangle} = \frac{\text{Base} \times \text{Perpendicular height}}{2}$$

$$\text{Area of a triangle} = \frac{1}{2} \times \text{Base} \times \text{Perpendicular height}$$

$$= \frac{1}{2} \times 4 \times 7$$

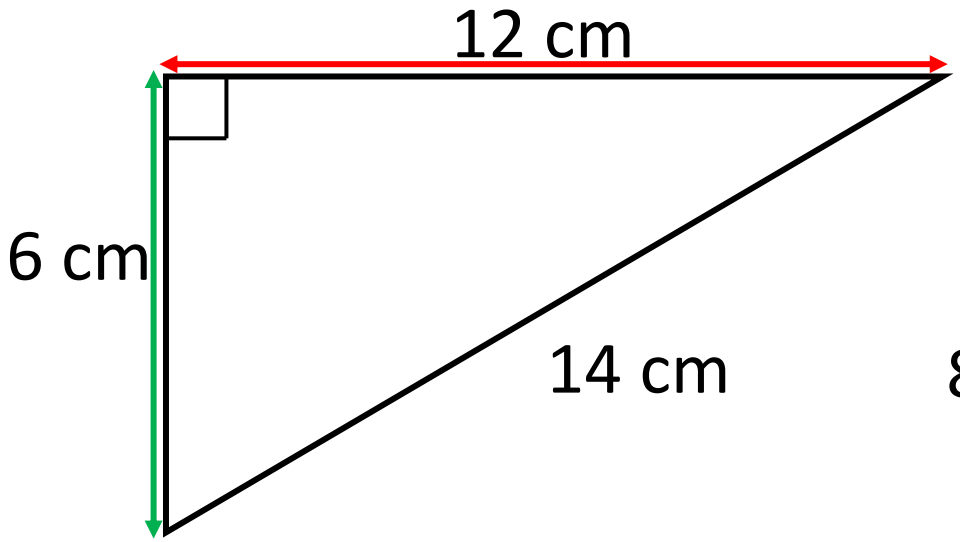
Area of a triangle $= \frac{1}{2} \times$ Base $\times$ Perpendicular height





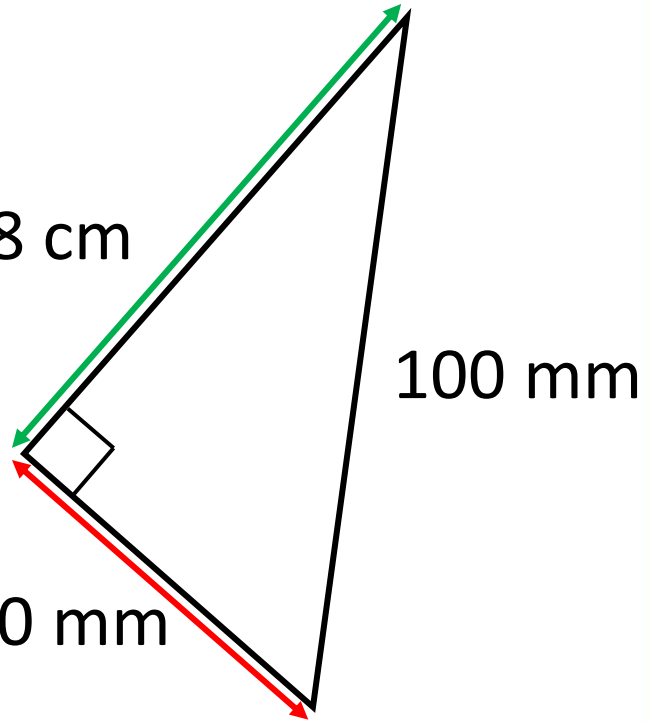
Have a think

Area of a triangle $= \frac{1}{2} \times$ Base $\times$ Perpendicular height



$\frac{1}{2} \times 12 \times 6$

36 cm²



$\frac{1}{2} \times 50 \times 80$

20 cm²

2,000 mm²