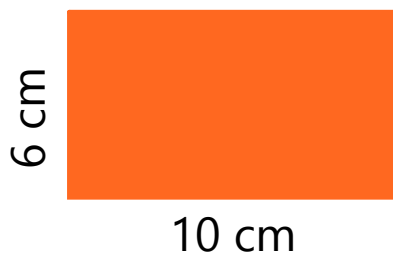


Starter

- 1) Multiply out the brackets: $3(f - 2)$
- 2) Factorise: $3x^2 - 6x$
- 3) $5^2 + 2(6 - 4) - 10$
- 4) Write down the area formula for a circle

Today's Learning:

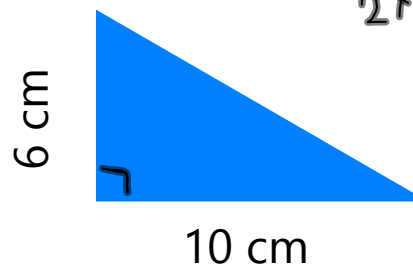
To find the area of rectangles, triangles and compound shapes and to find the surface area of objects.

Area of a Rectangle

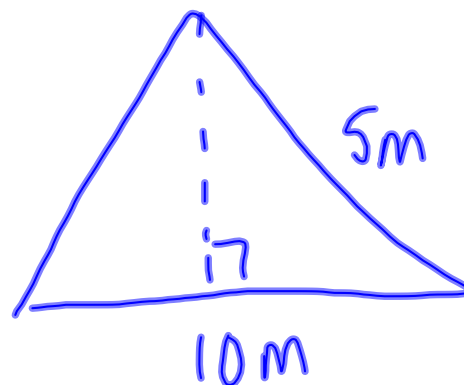
$$\begin{aligned} A &= L \times B \\ &= 6 \times 10 \\ &= 60 \text{ cm}^2 \end{aligned}$$

Area of a Triangle

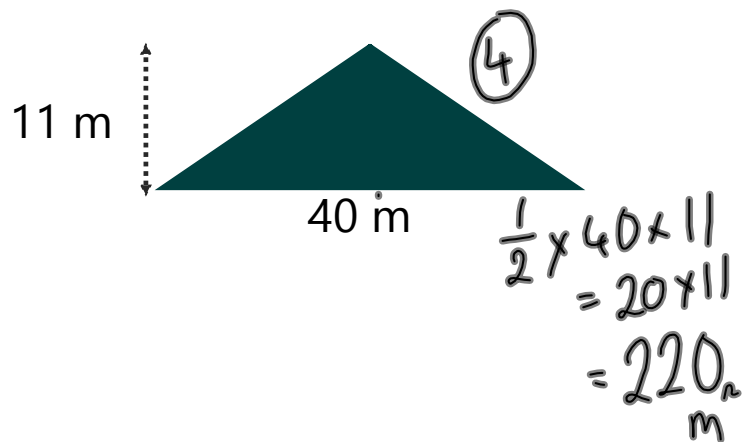
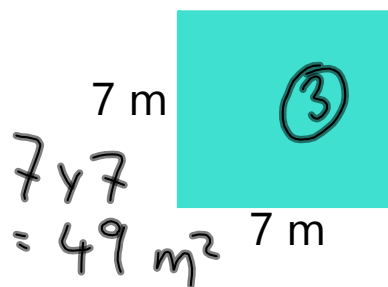
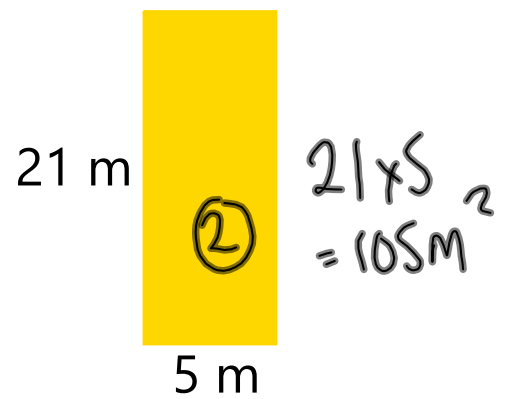
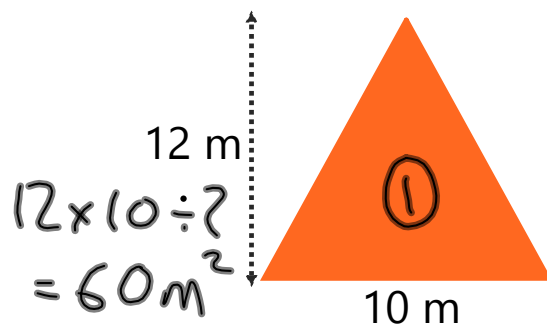
$$\begin{aligned} L \times B \div 2 \\ \frac{1}{2} \times b \times h \end{aligned}$$



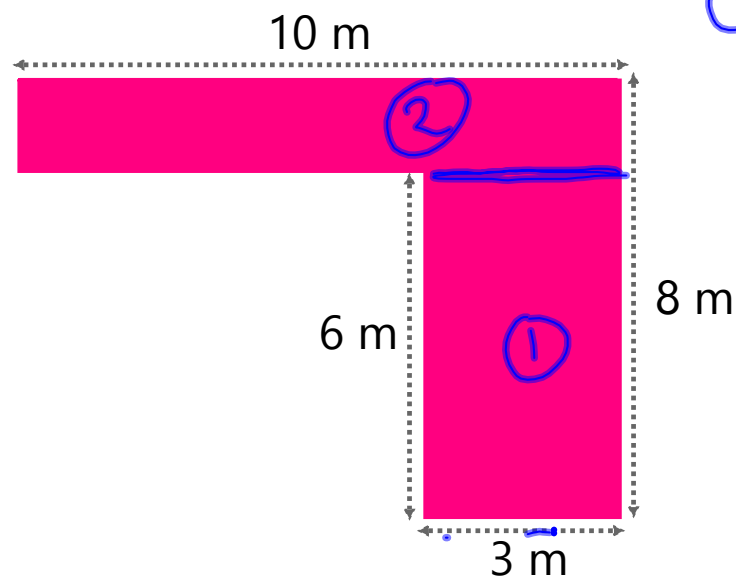
$$\begin{aligned} A &= \frac{1}{2} \times L \times B \\ &= \frac{1}{2} \times 6 \times 10 \\ &= 30 \text{ cm}^2 \end{aligned}$$



Find the area...

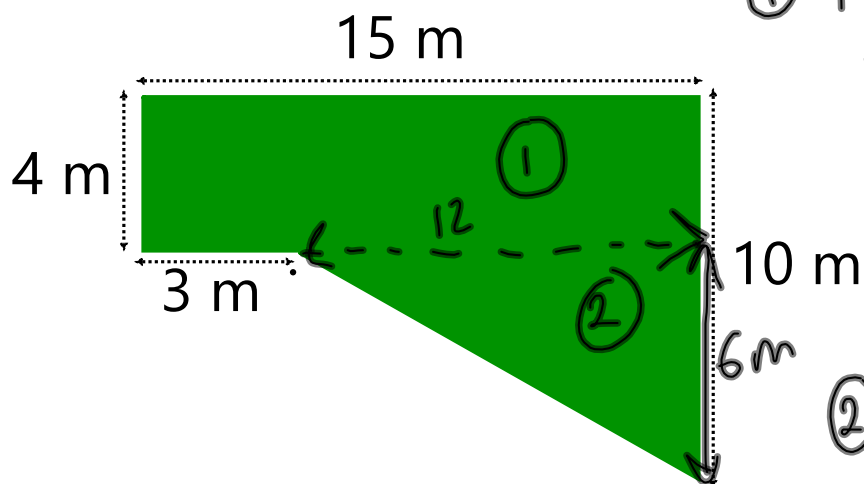


How do we find the area of this shape?



① $3 \times 6 = 18 \text{ m}^2$
 ② $10 \times 2 = 20 \text{ m}^2$
 38 m^2

How would we find the area of this garden?



$$\textcircled{1} 15 \times 4 = 60 \text{ m}^2$$

$$\textcircled{2} \frac{1}{2} \times 6 \times 12 = 36 \text{ m}^2$$

$$\textcircled{96 \text{ m}^2}$$

Find the area of this shape:

