You are a landscape gardener, and you have been asked to design a garden for a client.

The area of the garden $must be 100m^2$ but you can make it any shape you wish.

You will need to put a fence around the garden, so you will also need to know its perimeter.



Design some different shapes with area of 100m² and work out what the perimeter for these are. Then choose your favourite.



Look below for some tips about how to start your garden design (I've given you examples, but I made my garden 80m² so that you can't copy me—sneaky! :) I've shown you how to make a simple garden design, plus a trickier one.

Don't be lazy—if you're capable of more of a challenge, try the trickier one.



Trickier Garden Shapes...

To design a more challenging garden shape, you could make a **compound shape** – two rectangles for example. The total area needs to be $100m^2$, so the area of both rectangles would need to **add together** to make **100**.

I've done a couple here with area of 80.

I had to

- Think of 2 numbers that add to make 80
- Work out their factors so that I could choose the lengths of the garden.
- Choose the sizes I wanted, and draw them.

You just need to do the same for 100!

