

➤ Notes for parents. Activity next page.

The purpose of this task is to have your child:

- to learn to calculate the perimeter and area of a given shape, and to investigate the relationship between them

perimeter: the continuous line that forms the boundary of a shape

area: the extent of the surface of a shape.

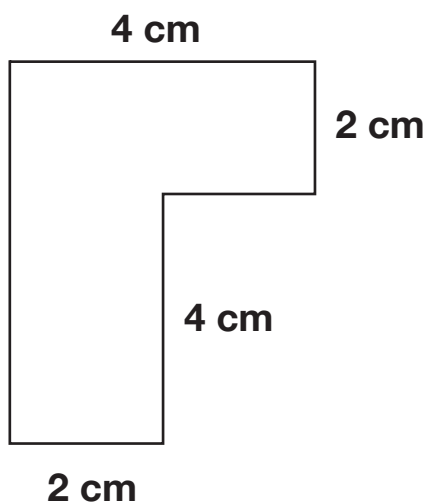
Think about this:

- Make sure that a pencil and paper are available.
- FYI: You can draw a square with sides of 6cm. It's perimeter is $4 \times 6\text{cm} = 24\text{cm}$, and its area is $6\text{cm} \times 6\text{cm} = 36\text{cm}^2$
You can also draw a narrow rectangle with sides of 10cm and 2cm. It's perimeter is also 24cm, but it's area is just 20cm^2
- Check that your child understands each part of the task and talk about how they are going to begin their investigation.
- You might want to do the task yourself so you can talk with your child about what you each find out.



Look at this shape.

- What is its perimeter?
- What is the area of the shape?



Is it possible to:

- Draw a shape that has the same area and a smaller perimeter?
- Draw a shape that has the same area and a larger perimeter?
- Draw a shape that has the same perimeter and a smaller area?
- Draw a shape that has the same perimeter and a larger area?

