

## Activity:

The aim of this activity is for children to practise calculating areas and perimeters. There are three questions to complete. The first two questions allow children to practise the skill, while the third question extends them as they have to problem solve and explain their answer.

## Vocabulary:

The **perimeter** is the distance around the edge of a shape. It is a measurement of length so is often measured in millimetres (mm), centimetres (cm) or metres (m). To find the perimeter of a shape, add together the lengths of all its sides.

The **area** is the measurement of the surface of a 2D shape. It is measured in unit squares such as centimetre squared ( $\text{cm}^2$ ).

The **formula** for finding the perimeter is  $p = 2l + 2w$  (2 x the length + 2 times the width). The formula for finding the area is  $a = w \times l$  (width x length).

## Supporting resources:

You can watch a video tutorial about calculating areas and perimeters on [kids.classroomsecrets.co.uk](https://kids.classroomsecrets.co.uk) >> Year 6 >> Maths >> Perimeter, Area and Volume >> Video Tutorials.

## Other resources:

If your child enjoyed this activity and wants to try more activities linked to this learning, you can sign up for £4.83 per month on [classroomsecrets.co.uk/membership](https://classroomsecrets.co.uk/membership).

Check out our daily timetable for Year 6 home learning activities on [kids.classroomsecrets.co.uk](https://kids.classroomsecrets.co.uk) >> Home Learning Timetable.

## Area and Perimeter

1. C
2. A. 7cm, 70mm, 98cm<sup>2</sup>; B. 16cm, 140mm, 308cm<sup>2</sup>
3. Various possible answers, for example:

The total perimeter could be 44m as shown below. This would result in an area of 109m<sup>2</sup>.

