School of Professor Brock



Calculating perimeters

Learning objectives

To demonstrate understanding of how to calculate perimeters of irregular polygons either by counting or by calculating.

Outline

The lesson will take the form of:

- watching a BBC Teach video 'Understanding Area and Perimeter'
- completing a series of exercises to calculate the perimeter of gardens



BADGER TRUST



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Calculating perimeters

KEY STAGE

The perimeter of an object is the 'distance around the outside of an object'. Area is the 'space inside'.

In this activity, we are going to explore calculating the perimeter length of gardens.

Before starting the activity, please watch the BBC Teach programme 'Understanding Area and Perimeter' by clicking on the BBC icon below.



Badgers sometimes visit gardens to find food. Work out the perimeters of the gardens below to see which has the longest perimeter.



School of Professor Brock KEY STAGE Z Pupil worksheet

Calculating perimeters

For grids 1 and 2, work out the perimeter of each shape by counting up the number of perimeter squares. Assume that 1 square = 1 metre.



School of Professor Brock KEY STAGE 2 Pupil **Calculating perimeters** worksheet For grids 3 and 4, calculate the length of the perimeter using the measurements shown. You can either do this by adding up each of the lengths of the different sides OR by using the method $[2 \times length] + [2 \times width]$. Length: 5 metres Grid 3 Width:4 metres Width: 4 metres Length: 5 metres 10 metres Grid 4 2 metres 6 metres 7 metres 5 metres 4 metres 3

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For grids 5 and 6, you will first have to work out what 'x' and 'y' are. Once you know 'x' and 'y', then work out the total length and width for each garden in order to calculate the perimeter.

