

Max's Garden Maths

Learning objective: To calculate the perimeter and area of simple shapes and rectangles.

Max the monkey is planting a vegetable patch. Help him measure his garden beds. Use a ruler if you have one, or count the squares to help you find the answers.

Max has square garden beds. Each square on the grid is 1cm long and 1cm wide.

Word bank: Perimeter: The total distance around the outside of a shape. · Area: The total space inside a shape, measured in squares. · Centimetres: Units used to measure length (cm). · Square: A shape where all sides are the same length.

1. Max has a garden bed that is 3cm long and 2cm wide. What is the total perimeter? (Hint: Add all the sides together: $3 + 2 + 3 + 2$) (2 marks)

2. Count the squares inside the garden bed from Question 1. What is the area of the garden bed? (1 mark)

3. Max makes a new square patch. Each side is 4cm long. What is the perimeter of this square? (2 marks)

4. If a garden bed has an area of 6 squares, and it is 2cm wide, how long is it? (2 marks)

Draw: Draw a rectangle on a piece of squared paper that has an area of 8 squares. Label the length and the width.



Extension challenge: Max wants to build a fence around a garden bed that is 5cm long and 4cm wide. How much fencing does he need in total?