

Max the Monkey's Garden Patch

Learning objective: To calculate the perimeter and area of rectilinear shapes by counting squares.

Max the Monkey is designing a vegetable patch. Look at the grid below where each square is 1cm by 1cm. Count the squares to help Max find the size of his garden. Follow the sentence starters to help you write your answers.

Word bank: Perimeter · Area · Centimetres · Squares · Total

1. Max has a square garden that is 3 squares wide and 3 squares long. What is the area? (Hint: Count all the squares inside). Answer: The area is _____ square centimetres. (2 marks)

2. Max builds a fence around the garden. What is the distance around the outside? Answer: The perimeter is _____ centimetres. (2 marks)

3. If Max makes a path that is 4 squares long and 1 square wide, what is the area? Answer: The area of the path is _____ square centimetres. (2 marks)

4. Max adds a small pond that is 2 squares long and 2 squares wide. What is the perimeter of the pond? Answer: The perimeter is _____ centimetres. (2 marks)

Draw: Draw a rectangle on a piece of squared paper that is 5 squares long and 2 squares wide. Colour the inside blue to show the area.



Extension challenge: Can you draw a different shape that has an area of 6 squares? Does it have the same perimeter as a 3x2 rectangle?