

Max's Garden Project: Area and Perimeter

Learning objective: To calculate the perimeter of rectilinear shapes and count squares to find the area.

Max the monkey is planning a vegetable patch. Help him measure the shapes of his garden beds. Use a ruler for straight lines. Remember: Perimeter is the distance around the outside, and Area is the total number of squares inside.

Word bank: Perimeter · Area · Centimetres · Squares · Add · Count · Length · Width

1. Max has a square garden bed that is 4cm long and 4cm wide. Write down the calculation you would use to find the perimeter. (2 marks)

2. If Max draws his garden on squared paper, he counts 16 squares inside the shape. What is the area of his garden bed? (2 marks)

3. Max wants to build a fence around a rectangle that is 5cm long and 3cm wide. What is the total perimeter? (2 marks)

4. Explain in your own words how you know the difference between area and perimeter. (3 marks)

Extension challenge: If Max had £10 to spend on fencing that costs £1 per centimetre, does he have enough money to build a fence around a garden with a perimeter of 12cm? Explain your answer.