

Max's Measurement Garden

Learning objective: To accurately draw, measure, and label items using standard metric units (millimetres, centimetres, and metres) and calculate perimeter and area.

Max the monkey is planning a new vegetable patch! Use your ruler and the provided word bank to design his garden. Follow the drawing steps carefully to ensure your measurements are accurate.

Draw: Draw a bird's-eye view of a garden on a piece of graph paper. Include a rectangular carrot patch (8cm x 5cm), a square tool shed (20mm x 20mm), and a winding path made of small stones. Use a ruler for straight lines and ensure your labels are clear and written in neat British English.



Label words: Perimeter · Area · Centimetres (cm) · Millimetres (mm) · Metres (m) · Right angle

Steps:

1. Step 1: Draw a rectangle for the carrot patch with a length of 8cm and a width of 5cm. Label the length and width.
2. Step 2: Calculate the perimeter of your carrot patch in centimetres. Show your working out.
3. Step 3: Calculate the area of the carrot patch in square centimetres (cm²).
4. Step 4: Draw a small square 'tool shed' in the corner of your garden. If each side is 20mm, what is the perimeter in centimetres?

5. Step 5: Label the right angle in one of the corners of your tool shed.