

Max's Geometric Garden Design

Learning objective: To identify, describe, and draw 2D shapes and their properties, including parallel and perpendicular lines.

Max the monkey is designing a new garden! Follow the instructions below to complete the plan. Use a ruler to ensure your lines are straight and accurate.

Draw: Create a large, top-down view of a garden layout on your page. Include a square pond, a rectangular vegetable patch, a triangle-shaped flower bed, and a path represented by two lines crossing at a 90-degree angle. Use a pencil and a ruler to keep the lines sharp. Add labels from the word bank to point to specific features of your shapes.



Label words: Parallel lines · Perpendicular lines · Right angle · Acute angle · Obtuse angle · Vertex

Steps:

1. Draw a square pond with a side length of 4cm. Label two of the parallel sides.
2. Draw a rectangular vegetable patch. Mark one right angle inside the rectangle using a square symbol.
3. Draw a triangular flower bed that contains one obtuse angle. Label the obtuse angle.
4. Draw two intersecting paths that form perpendicular lines. Label the point where they meet as a vertex.
5. Explain why the corners of your square pond are all right angles.