

Max's Geometric Garden Adventure

Learning objective: To identify, draw, and describe 2D shapes, including regular and irregular polygons, and identify lines of symmetry.

Follow the drawing prompts carefully to help Max the monkey design his perfect geometric garden. Use a ruler to ensure your straight lines are accurate.

Draw: Draw a top-down view of a garden. In the centre, draw a large, neat regular hexagon. To the left, draw a quadrilateral (like a trapezium) for a path. To the right, draw a right-angled triangle representing a small pond. Add small circles around the shapes to represent flowers. Use a ruler for all straight edges and keep your work tidy.



Label words: Polygon · Line of symmetry · Parallel lines · Vertex · Quadrilateral · Right angle · Regular hexagon

Steps:

1. Step 1: Draw a regular hexagon in the centre of your page to be the main flowerbed. Label two of its vertices.
2. Step 2: Draw a quadrilateral next to the hexagon that has one pair of parallel sides. What is the name of this shape?
3. Step 3: Draw a triangle with a right angle near the bottom of your garden. Mark the right angle with a small

square.

4. Step 4: Draw a line of symmetry through your regular hexagon using a dotted line.

5. Step 5: Explain how you know the hexagon is a 'regular' polygon.