

Max's Geometric Garden Adventure

Learning objective: To identify, draw, and measure angles including acute, obtuse, right, and reflex angles.

Help Max the monkey design his garden. Use your ruler and protractor to draw the shapes requested on the grid below. Ensure all angles are clearly labelled.

Draw: Create a garden scene on a 2cm grid background. Include a square-shaped sandbox (right angles), a long straight garden path, and a variety of triangular or kite-shaped flowerbeds. Use a sharp pencil and a ruler to ensure lines are straight. Add small trees and flowers around the edges to make the garden look inviting.



Label words: Acute angle · Obtuse angle · Right angle · Reflex angle · Straight line · Protractor

Steps:

1. Draw a wooden gate frame with one corner forming a right angle (90°). Label the angle.
2. Max wants a triangular flowerbed. Draw a triangle that has one acute angle (less than 90°) and one obtuse angle (greater than 90°).
3. Draw a reflex angle (greater than 180°) representing a path turning around a large oak tree.
4. If Max measures an angle as 45° , which type of angle is it? Explain how you know.
5. Draw a straight line to represent a fence. Mark a point on the line and draw a ray coming off it to create two angles that add up to 180° .