

Max's Geometry Garden: Exploring Angles

Learning objective: To identify, compare, and order angles as greater than or less than a right angle; to identify acute and obtuse angles.

Help Max the monkey solve these geometry puzzles by identifying different types of angles found in his garden.

Word bank: acute · obtuse · right angle · degrees · smaller · larger

1. Max is looking at the garden gate. The corner of the gate forms a perfect square corner. What is the name of this type of angle, and how many degrees does it measure? (2 marks)

2. Look at these three angles: Angle A is 35° , Angle B is 90° , and Angle C is 120° . Identify which angle is acute and which angle is obtuse. (2 marks)

3. Max finds a twig that has snapped. The angle between the two pieces is 145° . Explain why this is an obtuse angle. (2 marks)

4. Draw a shape that contains at least one acute angle and one obtuse angle. Label the angles clearly. (3 marks)

5. Max says: 'Any angle smaller than a right angle is called an acute angle.' Is he correct? Explain your reasoning. (2 marks)

Draw: Draw a picture of Max the monkey sitting in a garden. Include a climbing frame or a fence that shows at least one acute angle, one right angle, and one obtuse angle, and label them.



Extension challenge: Find three objects around your classroom or home that have angles. Measure them with a protractor if you have one, or estimate if they are acute, right, or obtuse. Write your findings in a table.