

Max's Angle Investigation Log

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

Help Max the monkey solve his maths puzzles! Look around your classroom or home for different angles. Use a 'right-angle tester' (a square corner of a piece of paper) to check if the angles you find are smaller than, larger than, or exactly the same as a right angle. Fill in the boxes below to record your findings.

Word bank: acute · obtuse · right angle · less than · greater than · vertex · turn · perpendicular

1. Right Angle Spotting: Find an object with a right angle (like the corner of a book or a table). Describe the object and explain how you checked it was a right angle. (2 marks)

2. Acute Adventure: Find an angle that is smaller than a right angle. Draw a small sketch of it here and label it 'acute'. (2 marks)

3. Obtuse Observation: Find an angle that is wider than a right angle. Describe where you found it and why it is an obtuse angle. (2 marks)

4. Angle Sorting: If you have a collection of three different angles, how would you order them from smallest to largest? (2 marks)

5. Max's Challenge: Max says, 'If I turn a full circle, I have turned through four right angles.' Do you agree? Explain your thinking. (3 marks)

Extension challenge: Can you find a shape in your room that has at least two different types of angles? Write down the name of the shape and list the angles you can see inside it.