

Max's Angle Detective Log

Learning objective: To identify, compare, and order angles as acute, obtuse, or right angles.

Help Max the monkey solve his latest maths puzzle! Use your knowledge of angles to explore your classroom or home. Find different shapes and objects, name the angles you see, and describe why they fit into each category. Remember: a right angle is exactly 90 degrees, an acute angle is smaller than a right angle, and an obtuse angle is larger than a right angle but smaller than 180 degrees.

Word bank: Acute · Obtuse · Right angle · Degrees · Vertex · Smaller · Larger · Exactly

1. 1. The Corner Hunt: Find an object in your room that has a right angle. Draw a small square symbol in the corner and explain how you know it is exactly 90 degrees. (2 marks)

2. 2. Acute Observation: Spot an angle that looks 'sharp' or 'pointy'. Measure it visually against the corner of a piece of paper. Is it smaller or larger than a right angle? Describe its size. (2 marks)

3. 3. The Obtuse Challenge: Locate an angle that is wide and open. Describe where you found it and explain why it is classified as an obtuse angle. (2 marks)

4. 4. Max's Comparison: If you have an acute angle and an obtuse angle, which one has a larger turn? Explain your reasoning using the word 'degrees'. (2 marks)

5. 5. Real-World Application: Look at the hands of a clock. Draw a time where the hands form an acute angle and a time where they form an obtuse angle. (2 marks)

*Extension challenge: Can you find a shape with four right angles? What is the name of this shape?
Challenge yourself to find a shape that has at least one obtuse angle and draw it in your book.*