

Max the Monkey's Angle Adventure

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

Help Max the Monkey solve his geometry puzzles! Look at the shapes and angles carefully. Remember: a right angle is a perfect 'L' shape (90 degrees). Angles smaller than a right angle are 'acute', and angles larger than a right angle are 'obtuse'.

Max the Monkey is exploring the jungle and noticing shapes everywhere. He sees a leaf with a sharp, tiny corner, a tree branch leaning out wide, and the square corners of a wooden crate left by a researcher. Max knows that maths is hidden in nature! He wants to classify every angle he finds to make sure his jungle map is accurate.

Word bank: Right angle · Acute · Obtuse · Degrees · Vertex · Perpendicular

1. Max finds a leaf with an angle that is smaller than a right angle. What is the mathematical name for this type of angle? (1 mark)

2. Look at a square crate. All four corners are right angles. How many degrees is each of these corners? (1 mark)

3. Max sees a branch that has opened up to be wider than a right angle. What is this angle called, and how does its size compare to 90 degrees? (2 marks)

4. If Max draws a triangle with one right angle, can the other two angles be obtuse? Explain why or why not. (3 marks)

5. Draw an acute angle and a right angle. Label which one is which. (2 marks)

Draw: Draw a jungle scene containing one acute angle (like a bird's beak), one right angle (like a square rock), and one obtuse angle (like a wide tree trunk fork). Label each one.



Extension challenge: Find an object in your classroom that has at least three different types of angles. Write a short paragraph describing where the angles are and what type they are.