

Max the Monkey's Angle Adventure

Learning objective: To identify, describe, and compare angles, including right angles and turns.

Read each question carefully. Use a ruler for drawing tasks. Max the Monkey is waiting to see how well you can solve these maths puzzles!

Max the Monkey is exploring the jungle and noticing shapes everywhere. He knows that angles are found where two lines meet. He needs your help to identify the angles he finds on his branches and leaves.

Word bank: Right angle · Acute · Obtuse · Turn · Degrees · Smaller · Larger

1. Max sees a square leaf. How many right angles does a square have? (1 mark) (1 mark)

2. Look at these three angles: Angle A is 45° , Angle B is 90° , and Angle C is 120° . Which angle is an acute angle? Explain how you know. (3 marks) (3 marks)

3. Max spins around on his branch. If Max makes a half-turn, how many right angles has he turned through? (2 marks) (2 marks)

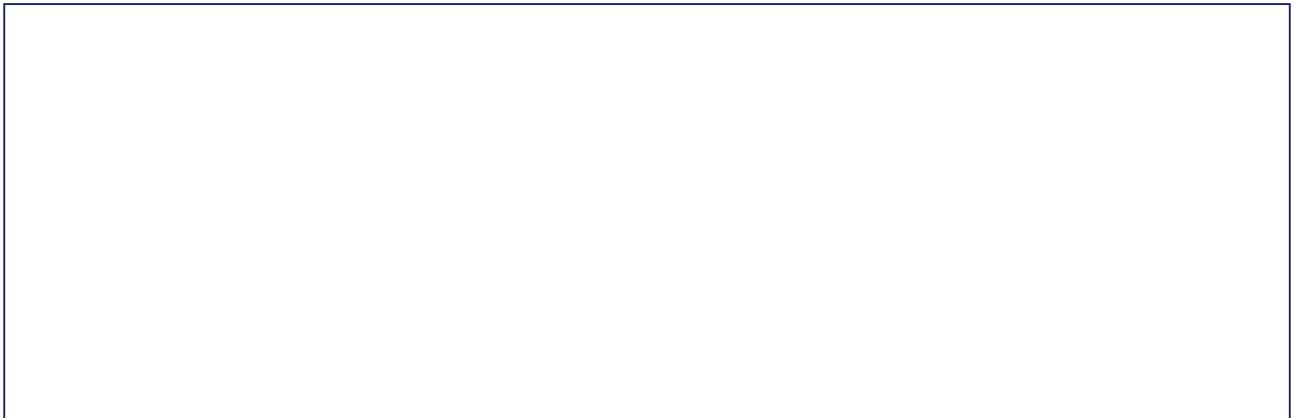
4. Draw an angle that is larger than a right angle (an obtuse angle) in the space below. Label it 'Obtuse'. (3 marks) (3 marks)

5. Max has a collection of twigs. He arranges them to make a shape. He says, 'This triangle has three acute angles.' Is Max correct? Explain your reasoning using the properties of angles. (4 marks) (4 marks)

6. Max is buying fruit. He spends £2.50 on mangoes and £1.75 on bananas. If he makes a quarter-turn for every £1 he spends, how many right angles does he turn in total? Show your working out. (7 marks) (7 marks)

7. Extended Writing: Imagine you are walking through the jungle with Max. Describe three different places where you might find angles. Use the words 'acute', 'obtuse', and 'right angle' in your description. (5 marks) (5 marks)

Draw: Draw a jungle scene featuring a tree with branches that form one acute angle, one right angle, and one obtuse angle. Label each angle clearly.



Extension challenge: Total: /25