

Max's Magnificent Shape Sorting Adventure

Learning objective: To identify, describe, and classify 2D shapes based on their properties, including parallel and perpendicular sides.

Max the Monkey is tidying his jungle workshop! He has found various shapes scattered about, but he needs help sorting them into the correct 'Shape Shelves'. Look at the properties listed for each shape below and decide if the statement is True or False. If you think it is false, explain why by naming the correct property.

Word bank: parallel · perpendicular · quadrilateral · right angle · polygon · vertices

1. A square has four right angles and all sides are of equal length. Is this True or False? Explain your reasoning. (2 marks)

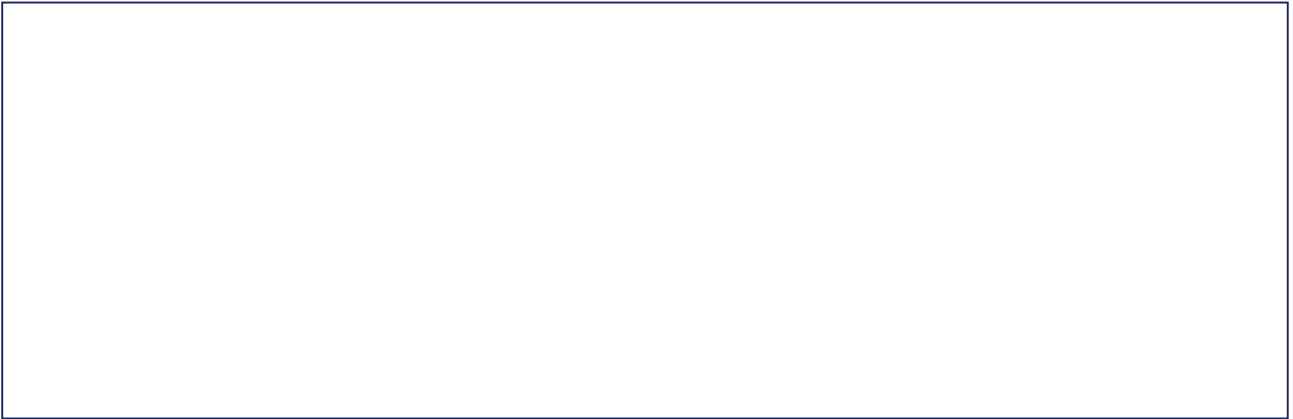
2. Max says a rectangle is a quadrilateral because it has four sides. Is he correct? Why or why not? (2 marks)

3. A parallelogram has two pairs of parallel sides. Is this statement True or False? (1 mark)

4. A triangle must have at least one perpendicular side. Is this True or False? Explain your answer. (2 marks)

5. If a shape has five sides, it is called a pentagon. If it has six sides, what is it called? (1 mark)

Draw: Draw a composite shape made up of one rectangle and one triangle. Label the right angle on your rectangle with a small square symbol.



Extension challenge: Max has £10.00 to buy new shape stencils. If each stencil costs £1.25, how many stencils can he buy? How much change will he have left?