

Max's Pattern Puzzle Party

Learning objective: To identify and complete sequences of shapes and patterns through observation and logical thinking.

Max the monkey has found some patterns in the jungle! Look at the sequence of shapes in each row. Work out what comes next. Draw the missing shape in the empty box. Use the word bank to help you describe the pattern.

Word bank: rotate · turn · repeat · clockwise · shape

1. 1. Look at this pattern: Square, Circle, Square, Circle, Square, [?]. Draw the next shape. (2 marks)

2. 2. Look at this pattern: Triangle pointing up, Triangle pointing down, Triangle pointing up, [?]. Draw the next shape. (2 marks)

3. 3. A star turns a little bit to the right each time. If the first star is straight, and the second is tilted, what does the third star look like? (2 marks)

4. 4. Max has a pattern of: £1 coin, 50p coin, £1 coin, 50p coin. What is the next coin in the sequence? (2 marks)

Draw: Draw a new pattern using two different shapes, such as a heart and a star. Make the pattern repeat three times.

Extension challenge: Can you make a pattern that uses a turn? Draw a shape and show how it moves a little bit in each box.