Zara’s Wonderful World of Patterns

Learning objective: I can identify, describe, and create repeating patterns using shapes and colours.

About 15 minutes. Grown-up tip: Encourage your child to look for patterns in the kitchen, such as on tiles or patterned plates.

Patterns are sequences that repeat. Look at the order of shapes, colours, or lines. To continue a pattern, identify the 'core' (the part that repeats) and copy it. Example: Red square, blue circle, red square, blue circle. The core is 'red square, blue circle'.

Word bank: repeating · sequence · symmetry · shape · colour · alternating

1. Zara the zebra has drawn a pattern on her sketchbook. Look at the sequence: Triangle, Circle, Triangle, Circle. Draw the next three shapes in the sequence. (2 marks)

2. Identify the 'core' of this pattern: Blue star, yellow square, blue star, yellow square. What is the repeating part? (2 marks)

3. A pattern uses two colours: red and green. If the pattern starts with red, then green, then red, what colour comes after the second red? (1 mark)

4. Look at a petal on a garden flower. Is it symmetrical? Explain your answer. Give a reason why patterns are found in nature. (3 marks)

5. Create your own repeating pattern using three different shapes. Label the core of your pattern. (3 marks)

Draw: A friendly zebra named Zara holding a paintbrush, standing next to a wall covered in colourful geometric patterns like stripes and polka dots.

Extension challenge: Find a pattern in your classroom or at home (like on a rug, a shirt, or a tiled floor). Sketch the core of the pattern and write down where you found it.

I did it! **Name: _____** **Date: _____**

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