Zara’s Wonderful World of Patterns

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

About 25 minutes. Grown-up tip: Encourage your child to look for patterns on clothing, tiles, or wallpaper around the house.

Read each question carefully. Look at the examples provided. For drawing tasks, use a sharp pencil or coloured pencils. Example: A 'repeating pattern' is a design where the same motif or shape is used again and again in a set order.

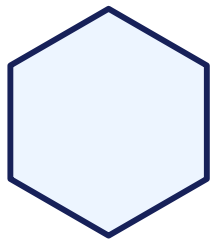
Zara the zebra loves to walk through the village green. She looks at the patterns in the oak tree bark, the petals of a bright daffodil, and the bricks on the garden walls. Zara knows that patterns are everywhere if you take the time to look closely. Today, she is helping her friends understand how to build their own designs using shapes and colours.

Word bank: symmetry · motif · repeating · geometric · texture · tessellation

1. 1. Zara sees a pattern on a garden gate made of squares and circles. Draw a simple repeating pattern using only a square and a circle. (2 marks) (2 marks)

2. 2. Define the word 'symmetry' in your own words. Give one example of something in nature that shows symmetry. (3 marks) (3 marks)

3. 3. Look at the shapes below. Which shape would best help you create a 'tessellation' (a pattern with no gaps)? Circle one: Square, Heart, Star. Explain why. (4 marks) (4 marks)



4. 4. Zara wants to paint a striped pattern on a pot. If she uses the sequence: Blue, Red, Yellow, Blue, Red, Yellow... what will the next two colours be? (2 marks) (2 marks)

5. 5. Describe how you would use the 'texture' of a leaf to create a rubbing pattern. List two materials you would need. (4 marks) (4 marks)

6. 6. Design a pattern for a new school bag. Your design must: 1. Use at least two different geometric shapes. 2. Use a repeating colour sequence. 3. Be symmetrical. Write a short explanation of your choices. (10 marks) (10 marks)

Draw: A friendly zebra with a sketchbook under her arm, standing in a UK village setting with natural patterns visible on the trees and flowers.

Extension challenge: Total: /25. Challenge: Can you find a pattern at home that is not man-made? Sketch it and label the 'motif' that repeats.

I did it! Name: _____ Date: _____

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