

Zara's Rangoli Patterns

Learning objective: To understand the symmetry and geometric patterns used in Diwali Rangoli art.

Zara the zebra loves patterns! A Rangoli is a traditional Indian art form made on the floor to welcome guests during Diwali. Rangoli designs often use symmetry, which means the pattern is the same on both sides. Look at the patterns below and follow these steps: 1. Use a pencil to complete the missing halves of the shapes. 2. Use colours to make sure your pattern is symmetrical. 3. Remember, if you colour a shape blue on the left, you must colour the matching shape blue on the right!

Word bank: Symmetry · Pattern · Diwali · Rangoli · Reflect · Geometric

1. Zara has drawn a triangle on the left side of her Rangoli. If the pattern is symmetrical, what must you draw on the right side? (2 marks)

2. Why do people make Rangoli patterns during Diwali? (2 marks)

3. If you use a red square on the top left, what colour should the matching square on the top right be? (1 mark)

4. List two geometric shapes you might see in a Rangoli design. (2 marks)

Draw: Draw a simple, symmetrical Rangoli design inside a square box. Start by drawing a line down the middle. Draw a circle in the centre, then add triangles or diamonds on both sides so they match perfectly.



Extension challenge: Try to create a 'rotational' pattern. This means that if you turn your paper around, the pattern still looks the same!