

Grade 3 Art Assessment: The Geometry of Rangoli

Learning objective: To demonstrate understanding of Rangoli patterns, symmetry, and the cultural significance of Diwali in artistic expression.

Read each question carefully. Use the provided word bank to assist with your written answers. Show your knowledge of patterns, symmetry, and color theory.

Zara the zebra loves the vibrant patterns of Diwali. Rangoli is a traditional Indian folk art where patterns are created on the floor using materials like colored rice, dry flour, or flower petals. These designs are often created during the 'Festival of Lights' to welcome guests and bring good luck. Rangoli patterns often rely on geometric shapes and perfect symmetry to create balance and harmony.

Word bank: Symmetry · Diwali · Geometric · Pigment · Festival of Lights · Reflection · Translation · Mandala · Ceremonial

1. Identify two materials that are traditionally used to create Rangoli patterns as mentioned in the passage. (2 marks)

2. Zara notices that many Rangoli designs are symmetrical. Explain what 'symmetry' means in the context of an art pattern. (2 marks)

3. Why do families create Rangoli designs specifically during the time of Diwali? Refer to the passage in your answer. (3 marks)

4. Max the monkey wants to create a Rangoli pattern using only triangles and squares. Justify why geometric shapes are effective for creating a balanced design. (4 marks)

5. Compare and contrast a Rangoli design with a modern piece of street art. How do their purposes differ? (4 marks)

6. Extended Writing: Imagine you are designing a Rangoli pattern for a school celebration. Describe your design in detail, explaining your choice of colors, the shapes you would use to ensure symmetry, and the 'message' or feeling you want your artwork to convey to those who walk past it. (5 marks)

Draw: In the space below, draw a simple, symmetrical Rangoli design using a central focal point. Use at least three different geometric shapes in your pattern.



Extension challenge: Total: /25. Challenge: If you were to scale this design up to cover a floor space of 2 metres by 2 metres, what might happen if the symmetry was not perfectly accurate? Explain the impact this would have on the overall aesthetic harmony of the piece.