

Zara's Radiant Rangoli Challenge

Learning objective: To explore the cultural significance, geometric patterns, and artistic techniques used in creating traditional Diwali Rangoli.

Join Zara the Zebra as she explores the symmetry and vibrant beauty of Diwali Rangoli. Read the information passage carefully, then complete the 10-question quiz to test your knowledge. Good luck!

Answer Key: 1.C, 2.True, 3.False, 4.Geometric, 5.B, 6.True, 7.A, 8.False, 9.Sand, 10.B. Background: Diwali is the Hindu festival of lights. Rangoli is an ancient art form where patterns are created on the floor using materials like coloured sand, rice flour, or flower petals. These designs often feature geometric shapes and are believed to bring good luck and prosperity to the household.

Word bank: Symmetry · Pigment · Diwali · Geometric · Festival · Pattern · Mandala · Tradition

1. 1. Which festival is Rangoli art most commonly associated with? A) Eid, B) Christmas, C) Diwali*, D) Easter (1 mark)

2. 2. True or False: Rangoli patterns are typically created on the floor. (1 mark)

3. 3. True or False: Rangoli designs are designed to be permanent and should never be swept away. (1 mark)

4. 4. What word describes shapes like squares, triangles, and circles used in Rangoli? (One word) (1 mark)

5. 5. Which of these is a traditional material used to make Rangoli? A) Oil paint, B) Coloured rice flour*, C) Plastic beads, D) Metal wire (1 mark)

6. 6. True or False: Symmetry is an important artistic principle used in Rangoli designs. (1 mark)

7. 7. Why do people create Rangoli? A) To welcome guests and bring good luck*, B) To hide cracks in the floor, C) To practice writing, D) To keep insects away (1 mark)

8. 8. True or False: Rangoli can only be made using one colour. (1 mark)

9. 9. Besides flour and petals, what is another common material used for Rangoli? (One word) (1 mark)

10. 10. Zara wants to design a Rangoli. Which mathematical concept will help her keep the pattern balanced? A) Estimation, B) Symmetry*, C) Long division, D) Probability (1 mark)

Draw: Using a pencil, draw a Rangoli design inside a square. Ensure your pattern shows line symmetry by reflecting your shapes across a central horizontal or vertical axis.



Extension challenge: 1. Explain why symmetry is important when creating a Rangoli design. 2. Compare and contrast the materials used in traditional Rangoli with modern art supplies. 3. Justify why Rangoli is considered a 'temporary' art form. 4. What might happen to the visual impact of a Rangoli if the shapes were not geometric? 5. If you were commissioned to create a Rangoli for a community hall, how would you ensure the pattern is visible from a distance? 6. Design a new Rangoli pattern that incorporates a non-traditional shape, and explain your artistic choice.