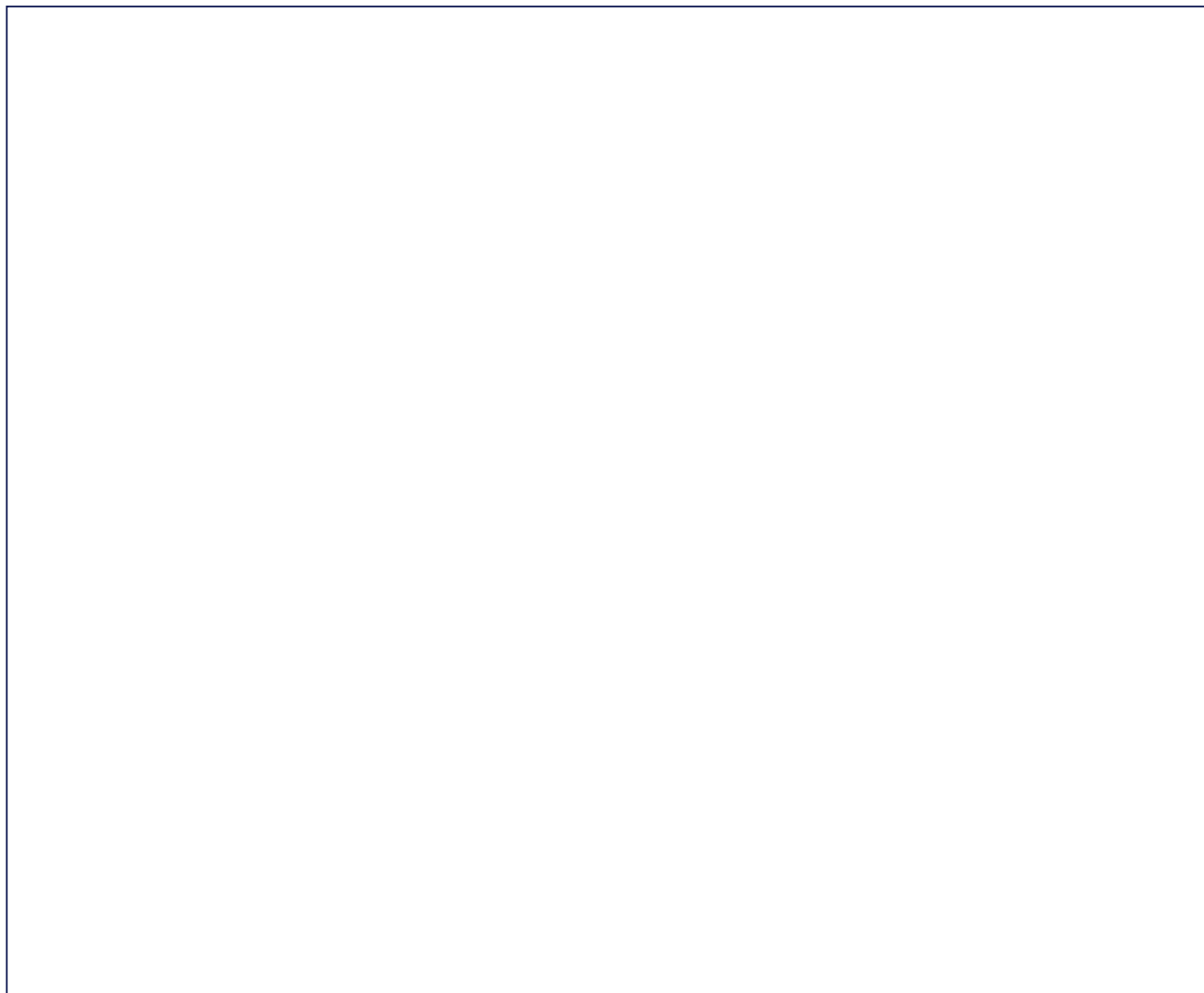


Patterns of Light: Designing a Rangoli

Learning objective: To explore the cultural significance of Rangoli patterns and apply geometric symmetry and vibrant colour theory to create an original design.

Follow the steps below to design your own Rangoli. Remember that Rangoli patterns are traditionally created to welcome guests and bring good luck. Focus on precision, symmetry, and the use of bold, harmonious colours.

Draw: Create a large, symmetrical Rangoli design in the centre of your page. Start by drawing a light pencil grid or faint guidelines to ensure your pattern is balanced. Include a central 'Diya' (oil lamp) motif. Surround the lamp with repeating geometric shapes such as triangles, diamonds, or lotus petals. Ensure your design demonstrates radial symmetry (where the pattern radiates from the centre outwards). Use bold, high-contrast colours to make your design pop, and include at least one repeating tessellation pattern in the outer border.



Label words: Symmetry · Geometric · Radial balance · Vibrant · Tessellation · Motif · Diya · Mandala

Steps:

1. Explain why symmetry is such an important element in traditional Rangoli design. How does it affect the viewer's perception of the pattern?

2. Zara the zebra loves patterns! If you were to create a Rangoli using only tessellating triangles, how would you ensure the design remains balanced? Justify your approach.
3. Compare and contrast a circular Rangoli design with a square-based Rangoli. Which shape provides more 'radial balance' and why?