

Visual Patterns in Tessellations Worksheet

1. Think of three different objects in the world around you that have tessellating patterns.
 - Item 1:
 - Item 2:
 - Item 3:
2. Try drawing each of these patterns using the [Tessellate! activity](#). Choose a starting polygon shape, then bend the lines until they look like the design you are re-creating, then click the "tessellate" button.
3. Which starting polygon shapes did you use for your three tessellations?
 - Item 1 polygon:
 - Item 2 polygon:
 - Item 3 polygon:
4. Which types of symmetry does each tessellation use?
 - Item 1 uses _____
 - Item 2 uses _____
 - Item 3 uses _____
5. Now choose one of your designs and experiment further by changing the colors.
 - Do you notice a difference when you use colors with a strong contrast rather than colors with little contrast? Describe the difference:

- Observe your tessellations using warm colors (reds and oranges). Then try using cool colors (greens and blues). What differences are there?
- Now mix a warm color with a cool color in the tessellation. How does this combination look compared to using two warm or two cool colors?