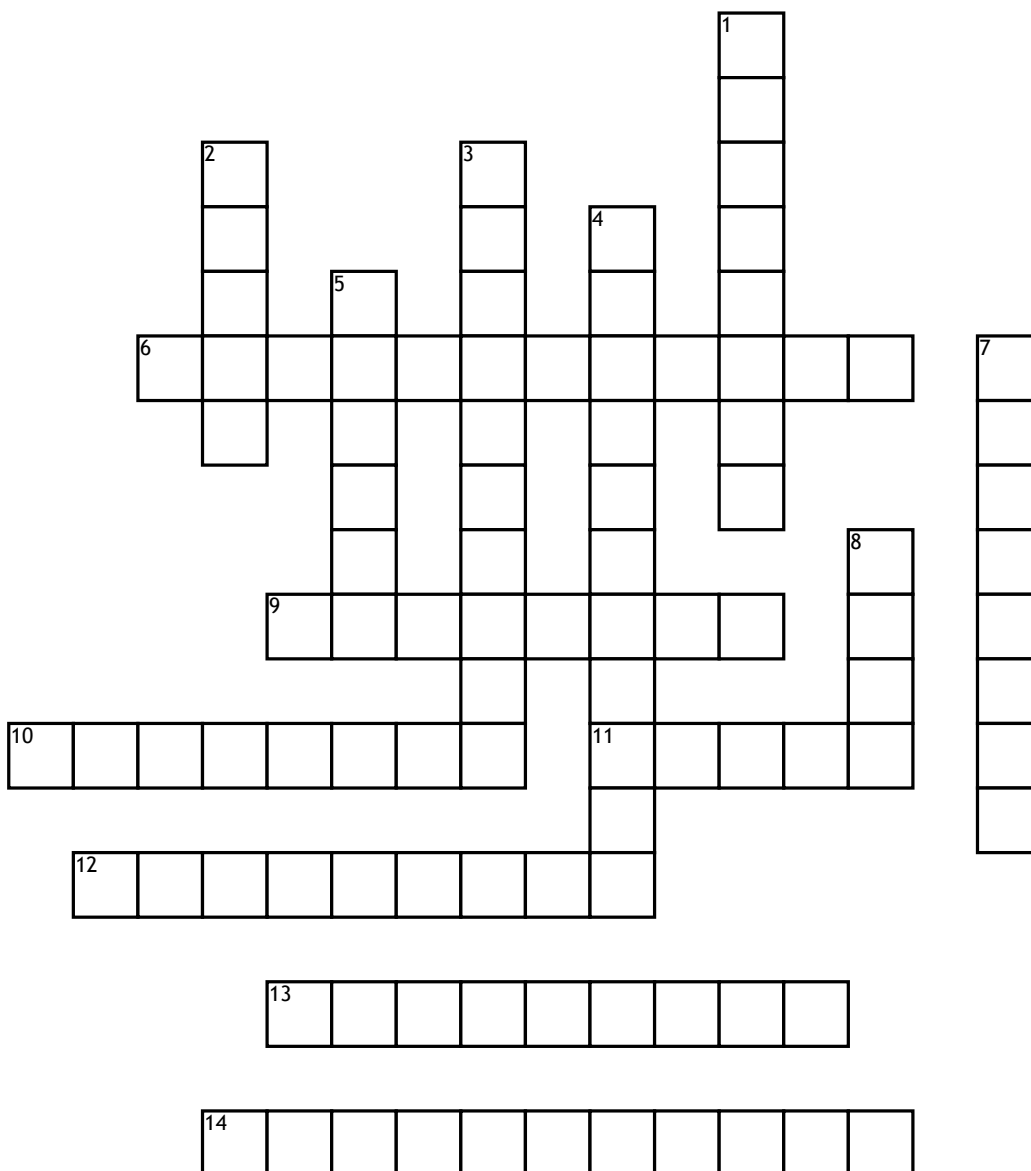


Chapter 9 Vocabulary



Across

6. A pattern of 1 or more figures that covers a plane so that there are no overlapping or empty spaces.

9. The original figure. (A)

10. A transformation that enlarges or reduces a figure proportionally with respect to a center point and a scale factor.

11. The resulting figure after a transformation. (A')

12. The _____ of a rotation can be either clockwise or counterclockwise.

13. The _____ of symmetry is the smallest angle through which a figure can be rotated so that it maps onto itself.

14. Multiple transformations performed on an image. Sometimes the results could also be described as one transformation.

Down

1. A turn through a specified angle and direction about a fixed point.

2. The number of times a figure maps onto itself as it rotates from 0 to 360 is call the _____ of symmetry.

3. A flip over a point, line, or plane.

4. All points slide the same distance and direction.

5. Dutch graphic artist who popularized tessellations.

7. A figure has _____ if there exists a rigid motion that maps the figure onto itself.

8. The _____ of symmetry in a figure is a _____ where the figure could be folded in half so that the two halves match exactly.