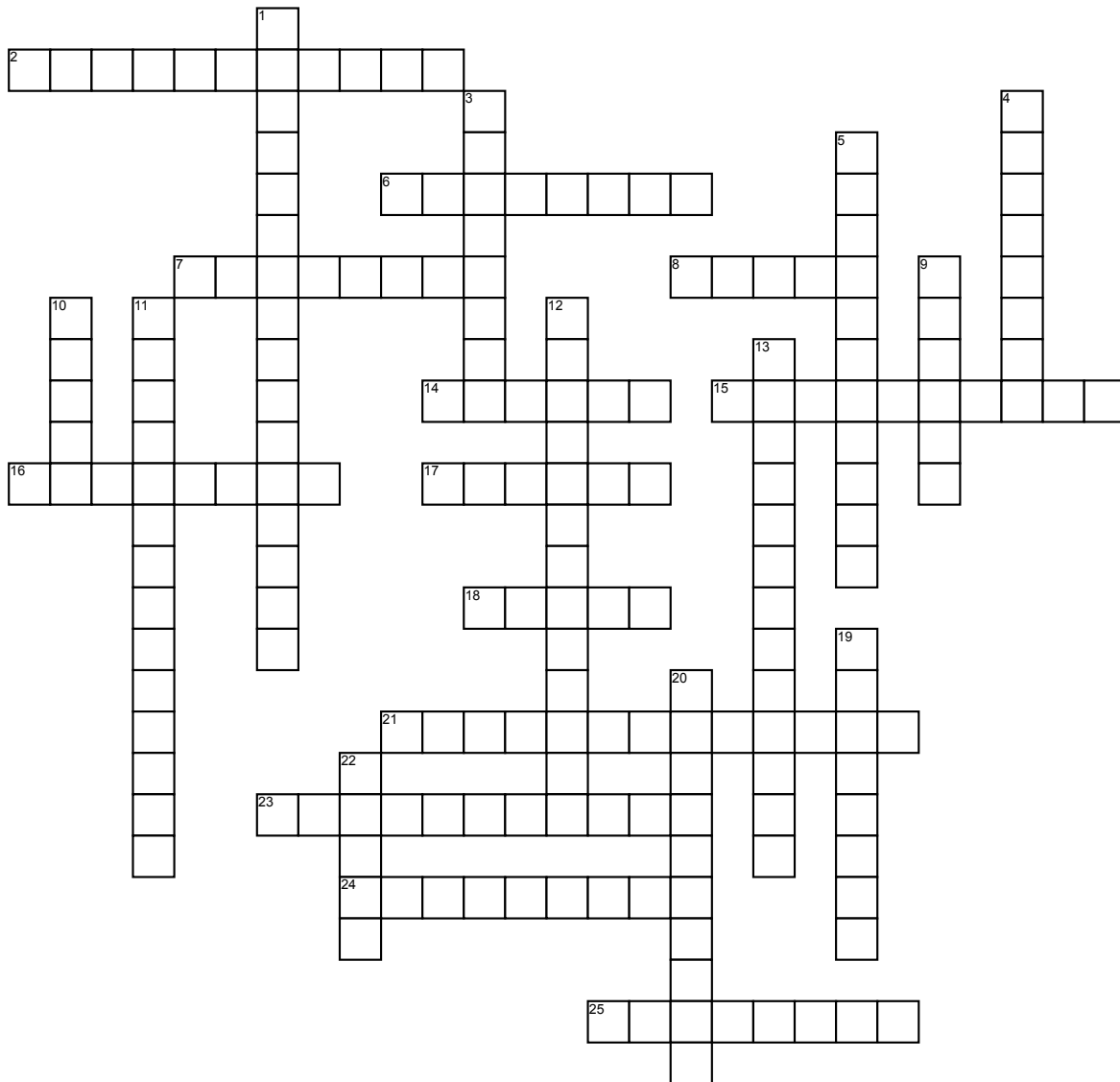


# Geometry Crossword Puzzle



**Across**

- 2. a term used in geometry to describe a function that moves an object a certain distance
- 6. a figure rotated counterclockwise about a fixed point
- 7. the middle of a line segment
- 8. a number that measures its steepness, the rise divided by the run
- 14. a measurement of a plane angle, defined so that a full rotation is 360 degrees
- 15. when two shapes turn, flips, or even slide to fit the other shape
- 16. a number that shows the size or amount of something
- 17. to cut it into two equal parts
- 18. a location; has no size, width, length, or depth (shown as a dot)
- 21. two angles that add up to 180 degrees

- 23. a line that passes through two lines in the same plane at two distinct points
  - 24. a linear transformation which preserves length
  - 25. the branch of mathematics concerned with the properties and relations of points, lines, surfaces, solids, and higher dimensional analogs
- Down**
- 1. two angles that lie on the same side of transversal and between the lines cut by the transversal
  - 3. a line segment through a vertex and perpendicular to a line containing the base
  - 4. a transformation that changes the size of a figure
  - 5. a part of line that is bounded by two distant end points, and contains every point on the line between endpoint ( two words)

- 9. more than 90 degrees but less than 180 degrees
- 10. the figure form by the two rays sharing a common endpoint
- 11. a general term for four specific ways to manipulate the shape of a point or line
- 12. at right angle
- 13. two angles when they add up to 90 degrees
- 19. two lines that are always the same distance apart and never touch
- 20. a transformation where every point on a line segment appears an equal distance on the other side of a given line
- 22. a relationship between two numbers indicating how many times the first number contains the second