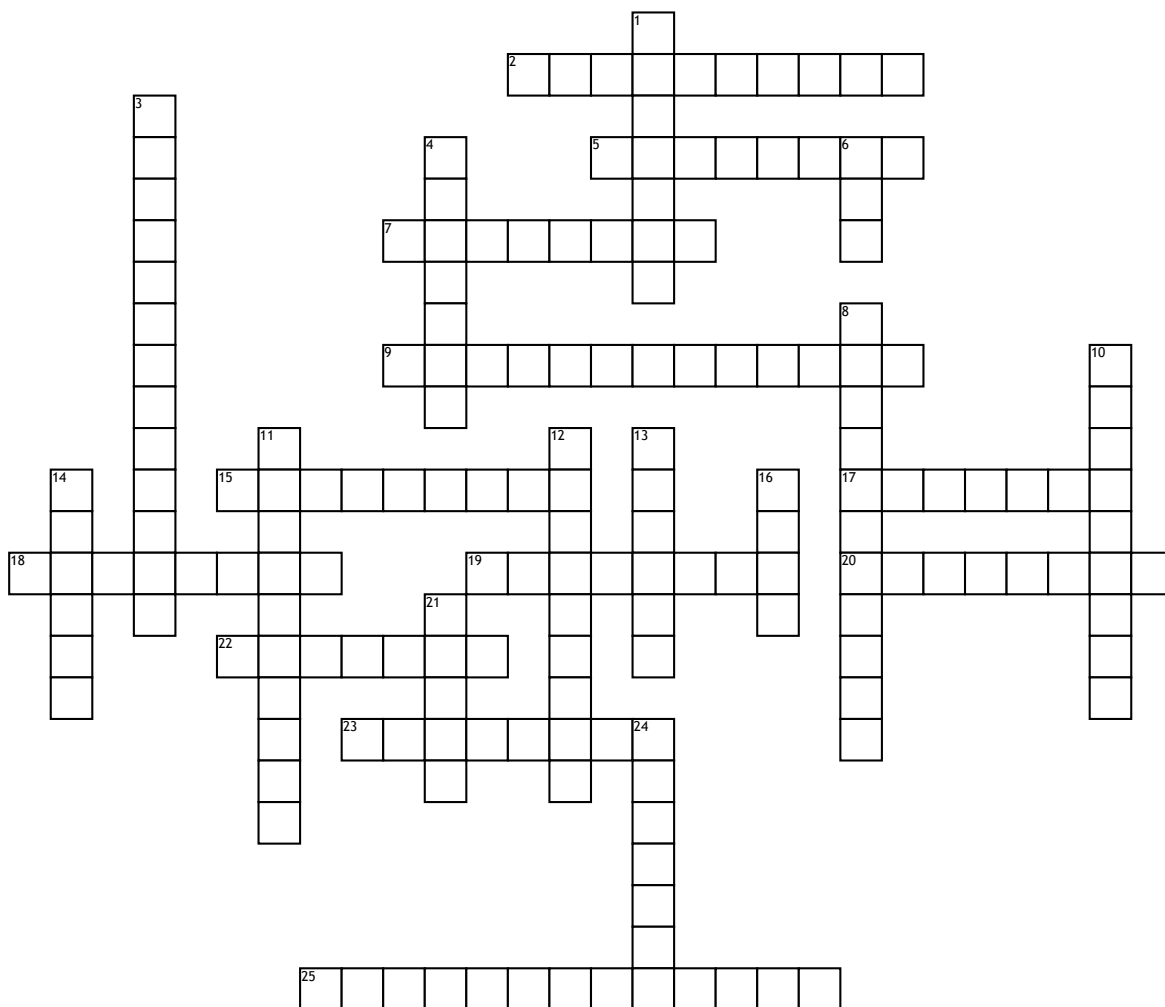


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# A Crossword Puzzle of the Language of Geometry



## Across

2. the longest side of a right triangle  
 5. exactly similar parts facing each other or around an axis.  
 7. a transformation in which the figure is turned around a fixed center point  
 9. 2 angles that add up to 180 degrees  
 15. the continuous line forming the boundary of a closed figure  
 17. part of a line that is bounded by two distinct end points  
 18. a figure with three straight sides and three angles  
 19. a seven-sided figure  
 20. having a common vertex and a common side  
 22. a triangle that has three unequal sides

23. a transformation in which the figure is enlarged or decreased in size  
 25. 2 angles that add up to 90 degrees

## Down

1. a figure with at least three straight sides and angles  
 3. at an angle of  $90^\circ$  to a given line  
 4. a parallelogram with opposite equal acute angles, opposite equal obtuse angles, and four equal sides  
 6. A line with a start point but no end point  
 8. a transformation in which every point of the figure is moved in the same direction and for the same distance  
 10. a figure with four straight sides and four right angles, especially one with unequal adjacent sides, in contrast to a square

11. a transformation in which the figure is reflected across a line, creating a mirror image  
 12. a quadrilateral with only one pair of parallel sides  
 13. a figure with four equal straight sides and four right angles  
 14. each angular point of a polygon  
 16. A long thin mark made by a pen  
 21. the space between two intersecting lines or surfaces at or close to the point where they meet  
 24. a nine-sided figure