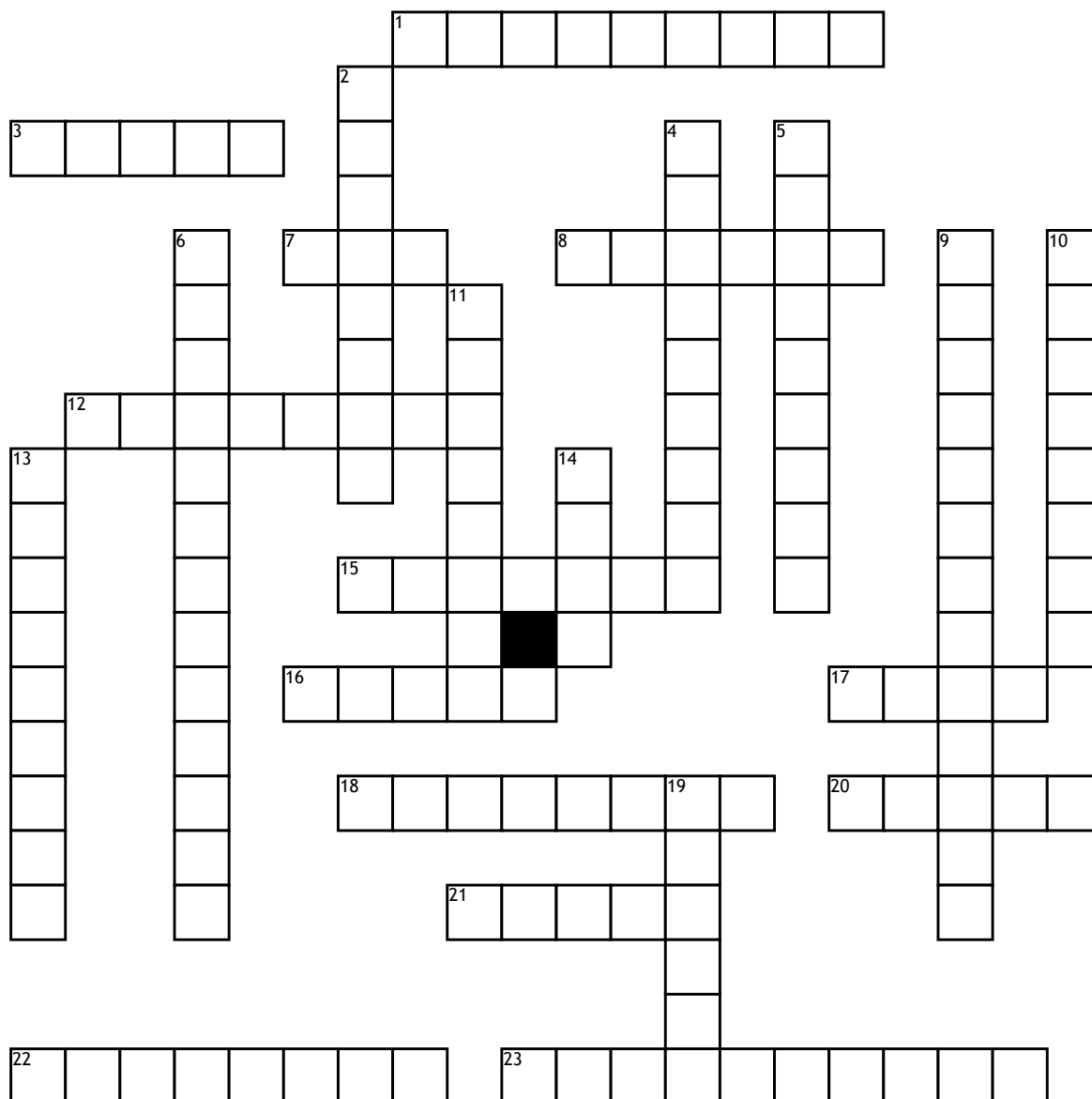# Foundations of Geometry Vocabulary

Across

1. The _____ of a polygon is all of the sides added together.

3. A _____ names a location. It has neither size nor shape.

7. A _____ has an endpoint and extends forever in one direction.

8. The measure from one endpoint to another.

12. _____ points lie in the same plane.

15. _____ is part of a line with two endpoints.

16. An _____ angle measures less than 90 degrees.

17. A _____ is made up of points and extends forever in both directions. It has no thickness nor width.

18. A segment _____ is a line, ray, or segment that divides a segment into two congruent parts.

20. A _____ is a flat surface that extends forever.

21. A _____ angle measures 90 degrees.

22. _____ are non-adjacent angles formed by intersecting lines. The are congruent.

23. A _____ is a pair of adjacent angles that form a line.

Down

2. _____ angles have a common vertex and side.

4. _____ segments have the same length.

5. Two lines _____ at exactly one point.

6. _____ angles have a sum of 180 degrees.

9. _____ angles have a sum of 90 degrees.

10. The _____ divides the segment into two congruent segments.

11. A _____ angle is exactly 180 degrees.

13. _____ points lie on the same line.

14. The _____ of a polygon is the amount of space on the inside.

19. A _____ angle measures more than 90 degrees and less than 180 degrees.