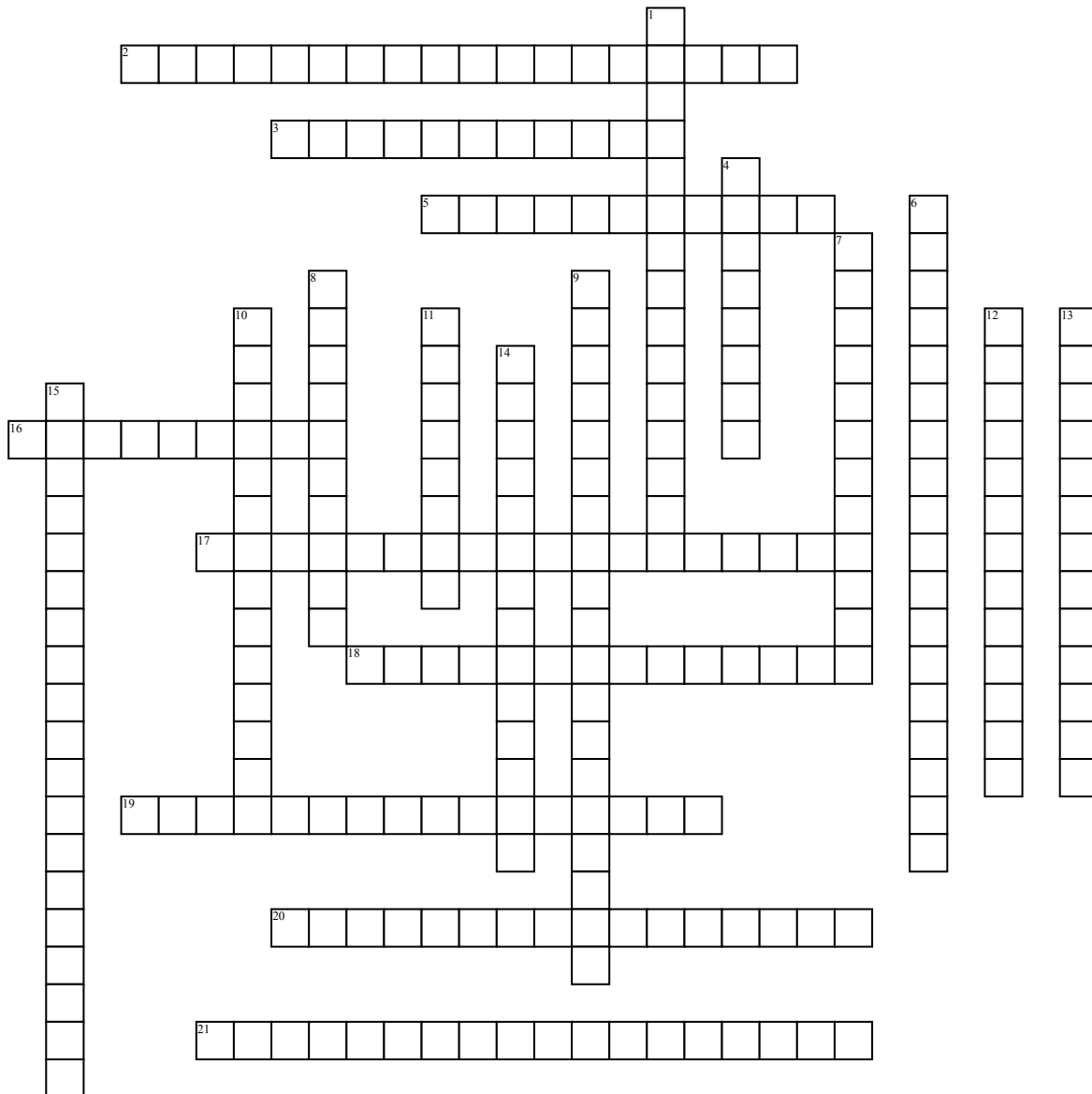# Geometry Crossword Puzzle

Across

2. In a right triangle, the sum of the squares of the legs is equal to the square of the hypotenuse.

3. Two parallel lines intersected by a third line at an angle.

5. An angle that measures less than 90 degrees

16. A statement that describes a fundamental relationship between basic terms of geometry. Postulates are accepted as true without proof.

17. Reasoning that uses a number of specific examples to arrive at a reasonable prediction

18. Points that lie on the same plane.

19. When two lines are crossed by another line.

20. In an isosceles triangle, the angles opposite the congruent sides are congruent.

21. A system of reasoning that uses facts, rules, definitions, or properties to reach logical conclusions.

Down

1. Points that lie on the same line.

4. A line which passes through a vertex of a triangle, and meets the opposite side at right angles

6. Two lines that intersect to form right angles.

7. Angles measuring greater than 180 degrees and less than 360 degrees.

8. An educated guess based on known information.

9. Two angles whose sum is 180 degrees.

10. Two angles that have a common vertex and a common side.

11. A point of concurrency of the triangle.

12. A line that spits a an angle into two equal angles.

13. Two lines that lie next to each other without ever getting close together or further apart.

14. Angles that share a side. two angles that share both a side and a vertex.

15. Two angles whose sum is 90 degrees.