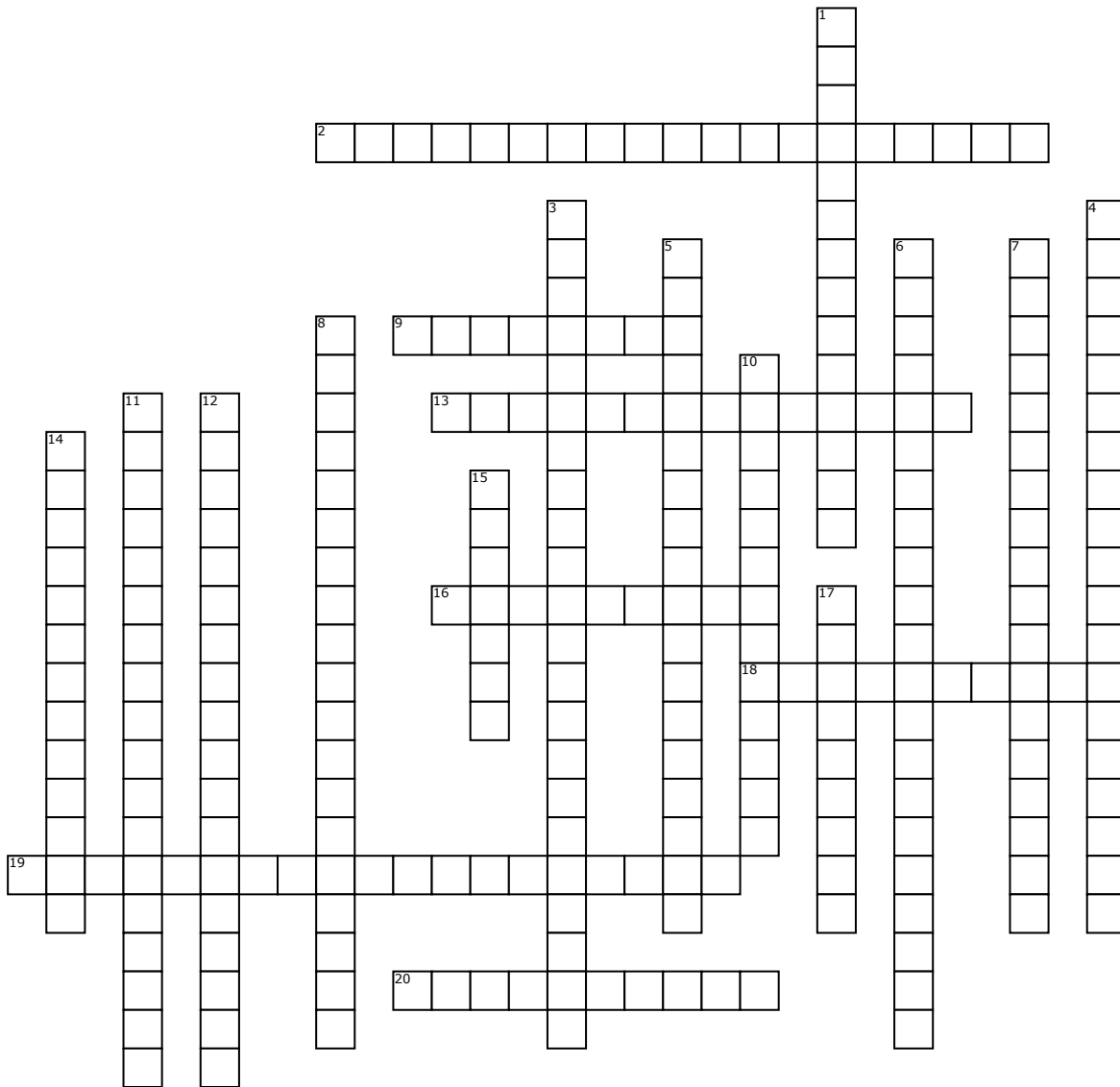


GEOMETRY CROSSWORD PUZZLE



Across

- 2.** When two or more angles add up to 90 degrees to form a Right Angle.
9. A point on a line segment that divides it into two equal parts.
13. A pair of non-adjacent angles formed when two lines intersect.
16. A statement, also known as an axiom, which is taken to be true without proof.
18. A pair of adjacent angles formed when two lines intersect.
19. When two lines are crossed by another line, the angles in matching corners are called...
20. A statement believed to be true based on observations.

Down

- 1.** Two angles when they have a common side and a common vertex (corner point) and don't overlap.
3. The angles on the inside of a polygon formed by each pair of adjacent sides added all together.
4. A triangle in which all three sides are equal.
5. A theorem stating that the square of the length of the hypotenuse of a right triangle is equal to the sum of the squares of the lengths of the other sides.
6. A line that divides a line segment into two equal parts.
7. A form of reasoning in which a conclusion is reached based on a pattern present in numerous observations.

8. When two angles or more add up to 180 degrees.

10. Lines in a plane which do not meet.

11. A line meeting another at a right angle, or 90° .

12. The process by which a person makes conclusions based on previously known facts.

14. A line segment that bisects one of the vertex angles of a triangle.

15. A statement that has been proven on the basis of previously established statements.

17. Exactly equal in size and shape.