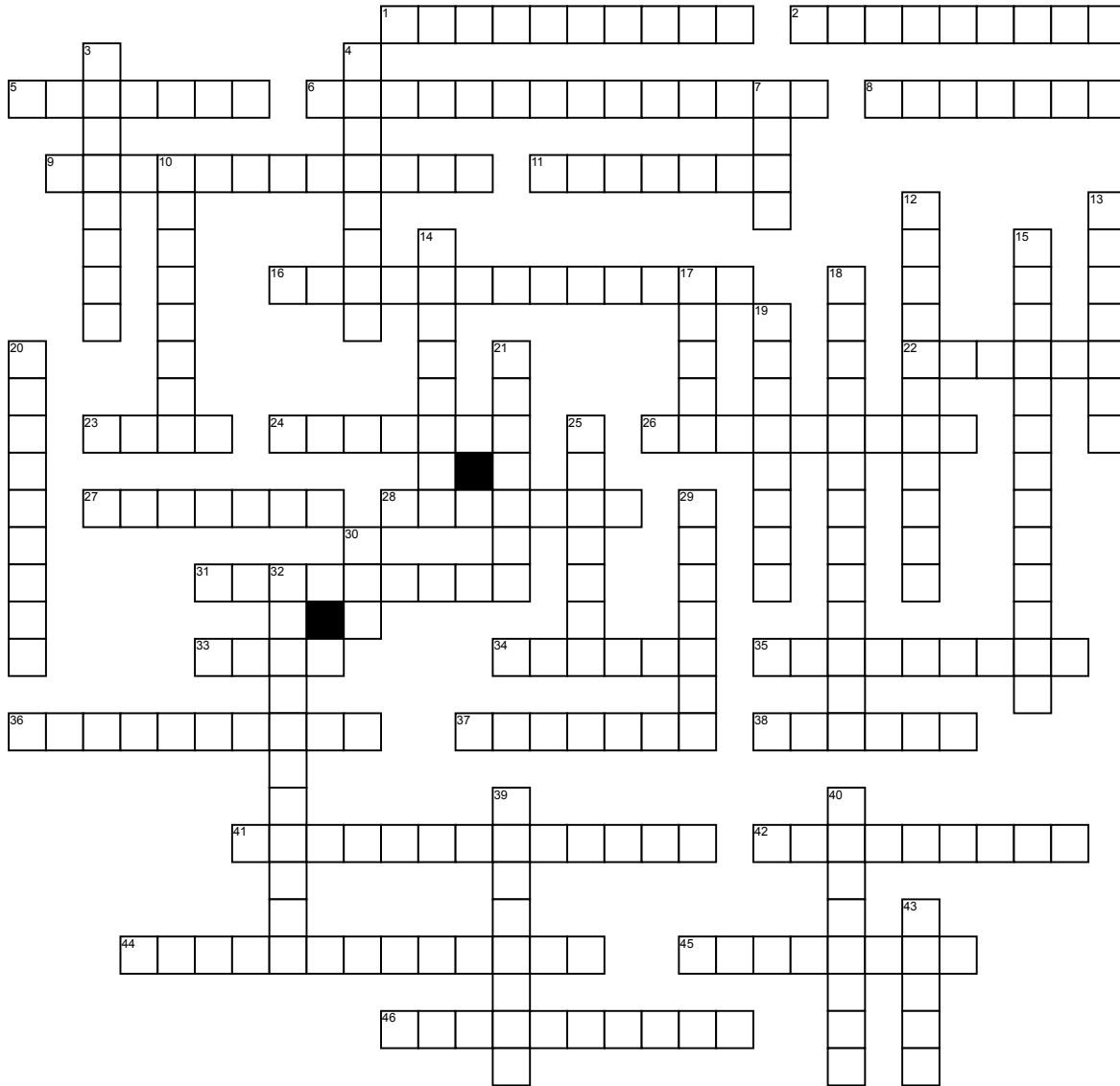


Geometry Project



Across

1. the longest side of a right-angled triangle, the side opposite of the right angle.
2. A 4-sided flat shape with straight sides that has a pair of opposite sides parallel.
5. a true statement that can be proven.
6. a special kind of example that disproves a statement or proposition.
8. any 2-dimensional shape formed with straight lines.
9. $y = mx + c$; equals 180.
11. a plane figure with nine straight sides and nine angles.
16. a four-sided polygon with four angles.
22. regular quadrilateral, it has four equal sides and four equal angles.
23. something you fly in the sky with a string.
24. a 6 sided polygon.
26. the length of the outline of a shape; add the lengths of all the four sides.
27. an 8 sided polygon.
28. a plane figure with ten straight sides and angles
31. a quadrilateral with four right angles; it can also be defined as a parallelogram containing a right angle.
33. the trigonometric function that is equal to the ratio of the side opposite a given angle (in a right triangle) to the hypotenuse.
34. also known as "cos".

35. (of points) lying in the same line.
 36. The part of a conditional statement after "then".
 37. also known as "tan"
 38. a corner or a point where lines meet.
 41. 2 angles that equal 90 degrees.
 42. a triangle that has two sides of equal length.
 44. 2 angles that equal 180
 45. when one shape becomes exactly like another if you flip, slide or turn it.
 46. an unproven statement which is supported by all the available data and by many weaker results.
- Down**
3. a seven-sided polygon.
 4. are three or more points which lie in the same plane.
 7. a straight one-dimensional figure having no thickness and extending infinitely in both directions.
 10. common side and a common vertex (corner point) and don't overlap.
 12. (of a line) intersecting a system of lines.
 13. a triangle that has three unequal sides.
 14. 3 sided figure
 15. a geometric figure with two pairs of parallel sides.
 17. the figure formed by two rays, called the sides. Also share a common endpoint.
 18. The relationship between two lines which meet at a right angle.

19. a segment from the vertex of a triangle to the opposite side and it must be perpendicular to that segment.
20. a 12 sided polygon
21. a shape that is curved inward.
25. a flat shape with 4 equal straight sides. Opposite sides are parallel, and opposite angles are equal. Looks like a crooked square.
29. a part of a figure cut off by a line or plane intersecting it, in particular.
30. a line with a single endpoint or point of origin that extends infinitely in one direction.
32. an "if-then" statement.
39. a 5 sided polygon.
40. Switching the hypothesis and conclusion of a conditional statement.
43. involves writing reasoned, logical explanations that use definitions