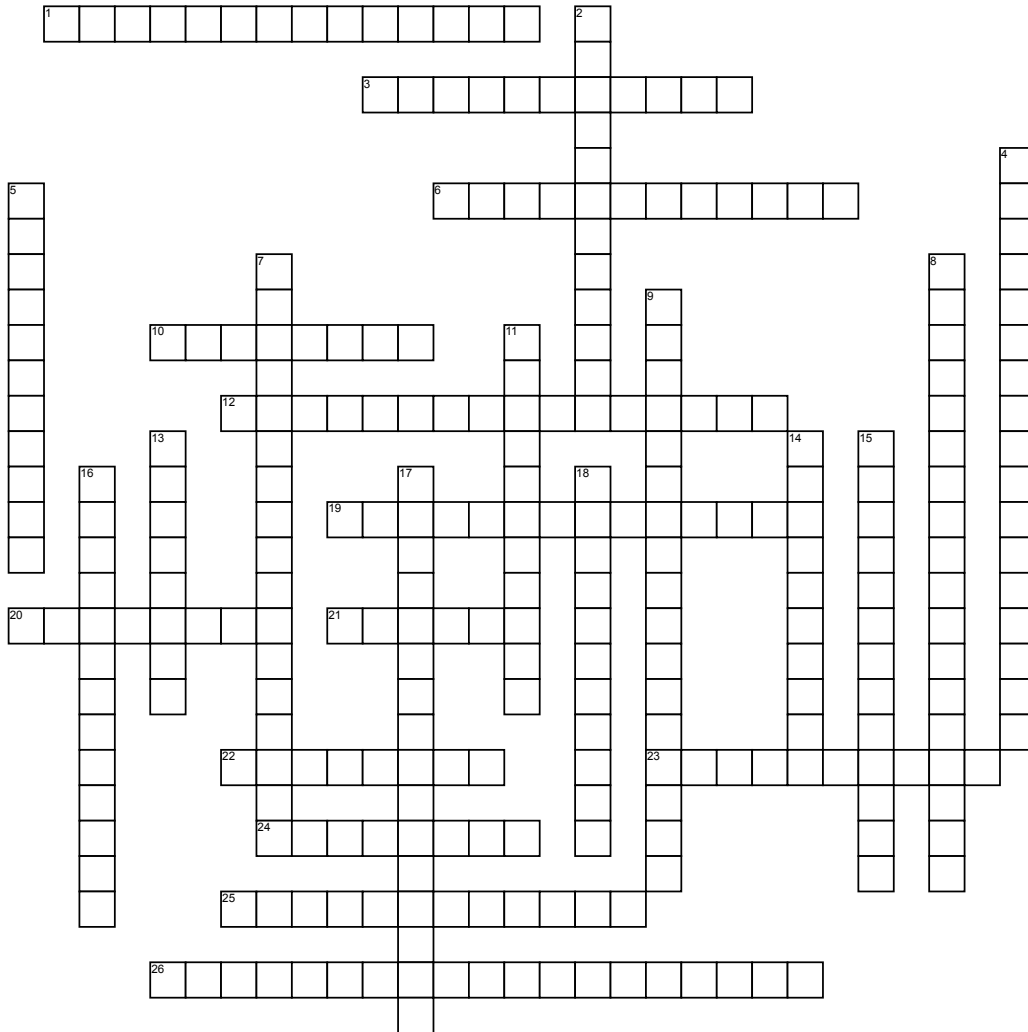


Geometry Crossword Puzzle



Across

1. each of the pairs of opposite angles made by two intersecting lines
3. A function that moves an object a certain distance
6. any transformation, as a translation or rotation,
10. between two points is the length of a straight line segment that links them.
12. The sum of the measures of the interior angles of a triangle is 180 .
19. Four specific ways to manipulate the shape of a point, a line, or shape.
20. A transformation in which a figure grows larger.
21. to cut it into two equal parts.
22. A point on a line segment that divides it into two equal parts. The halfway point of a line segment.
23. The production of an image by or if by a mirror

24. A transformation in which a plane figure turns around a fixed center point

25. to draw a shape, line or angle accurately using a compass and straightedge (ruler). Sometimes you are also allowed to use a protractor and triangle.

26. the same relative position at each intersection where a straight line crosses two others.

Down

2. The ratio of the length in a drawing (or model) to the length of the real thing.
4. on opposite sides of a transversal which lie on different parallel lines. Parallel lines cut. by a transversal.
5. f to an input x , you perform the following two steps.
7. n opposite sides of the transversal. but inside those two lines

8. the square of the length of the hypotenuse of a right triangle equals the sum of the squares of the lengths of the other two sides.

9. n opposite sides of the transversal. but inside those two lines

11. The ratio of any two corresponding lengths in two similar geometric figures

13. A mapping of a metric space onto another or onto itself

14. A relation between two numbers

15. add up to 180 degrees.

16. Angle adds up to 90 degrees

17. two angles that lie on the same side of a transversal and between the lines cut by the transversal, in corresponding positions with respect to the two lines that the transversal intersects.

18. A line that cuts across two or more (usually parallel) lines. In the figure below, the line AB

Word Bank

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|---------------------|--------------------|----------------------|--------------------|--------------------|
| Congruence | Alternate interior | Alternate interior | vertical angles | construction |
| Transformation | Isometry | Corresponding angles | Rigid motions | Composition |
| midpoint | supplementary | Reflection | complementary | Rotation |
| transversal | Translation | Dilation | Same side interior | Triangle angle sum |
| pythagorean theorem | alternate exterior | bisect | scale drawing | distance |
| Scale factor | | | | |