Geometry Crossword Puzzle

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 |
|  | 5 |  |  |  |  |  |  |  |  |  |  |  | 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 8 |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 9 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | 10 |  |  |  |  |  |  |  |  |  | 11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | 13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 14 |  | 15 |  |  |  |  |
|  |  |  | 16 |  |  |  |  |  |  |  |  | 17 |  |  |  |  | 18 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | 19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 20 |  |  |  |  |  |  |  |  | 21 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | 22 |  |  |  |  |  |  |  |  |  |  |  | 23 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | 24 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | 25 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | 26 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |
| --- | --- |
| **Across**  **1.** each of the pairs of opposite angles made by two intersecting lines  **3.** A function that moves an object a certain dista  **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.** o 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.** wo 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 |

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