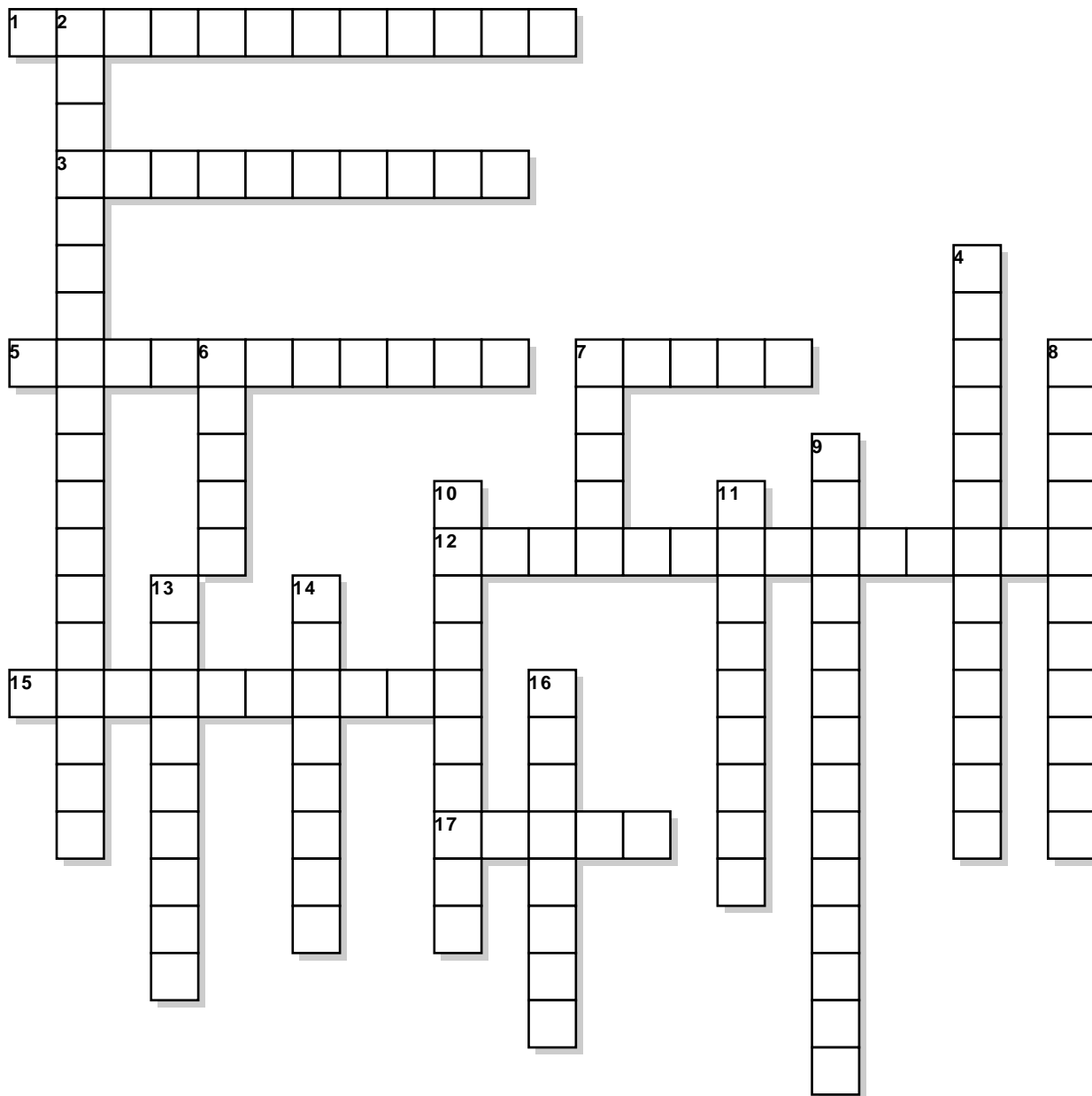


# 8th Grade CCS Math Vocabulary Crosswords 4



**Across**

- 1 The number of cubic units needed to fill a sphere.
- 3 The side opposite the right angle - it is also the longest side of a right triangle.
- 5 A transformation created by sliding an object.
- 7 A convincing demonstration that a mathematical statement is true.
- 12 An angle formed outside a polygon by extending one of its sides.
- 15 The number of cubic units needed to fill a cone.
- 17 A figure resulting from a transformation.

**Down**

- 2 In a right triangle the square of the length of the hypotenuse is equal to the sum of the squares of the lengths of the legs  $A^2+B^2=C^2$ .
- 4 The symbol used to represent the non-negative square root of a number
- 6 A measure of the steepness of a line on a graph - m - rise over run - pattern of the y-outputs.
- 7 A flat, 2D surface that goes in all directions forever.
- 8 A line that intersects (crosses) two or more lines in a given plane.
- 9 Moving a shape so that it is in a different position, but still has the same size, area, angles and line lengths.
- 10 A transformation created by reflecting (flipping) an image over a line.
- 11 Having the same size and shape.
- 13 The original image before transformation.
- 14 A transformation created proportionally by enlarging or reducing a figure.
- 16 A transformation made by rotating (turning or spinning) a figure around a given point.

**Possible Answers:**

cone volume, congruent, dilation, exterior angles, hypotenuse, image, plane, pre-image, proof, Pythagorean Theorem, radical symbol, reflection, rotation, slope, sphere volume, transformation, translation, transversal