

8th Grade CCSS Math Vocabulary Matching 1

Write the word that best matches each definition or clue.

1. TRANSFORMATION Moving a shape so that it is in a different position, but still has the same size, area angles, and line lengths.
2. CONGRUENT Having the same size and shape.
3. DILATION A transformation created proportionally by enlarging or reducing a figure.
4. REFLECTION A transformation created by reflecting (flipping) an image over a line.
5. HYPOTENUSE The side opposite the right angle. It is the longest side of a right triangle.
6. TRANSVERSAL A line that intersects two or more lines in a given plane.
7. PROOF A convincing demonstration that a mathematical statement is true.
8. SPHERE VOLUME The number of cubic units needed to fill a sphere.
9. CONE VOLUME The number of cubic units needed to fill a cone.
10. EXTERIOR ANGLES An angle formed outside a polygon by extending one of its sides.
11. PYTHAGOREAN THEOREM 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 ($A^2+B^2=C^2$).
12. SLOPE A measure of the steepness of a line on a graph.
13. TRANSLATION A transformation created by sliding an object.
14. RADICAL SYMBOL The symbol used to represent the non negative square root of a number.
15. PRE-IMAGE The original image before transformation.
16. ROTATION A transformation made by turning or spinning a figure around a given point.
17. PLANE A flat two-dimensional surface that goes in all directions forever
18. IMAGE A figure resulting from a transformation.

A. sphere volume

D. dilation

G. cone volume

J. Pythagorean Theorem

M. plane

P. image

B. hypotenuse

E. slope

H. transformation

K. proof

N. pre-image

Q. rotation

C. congruent

F. translation

I. reflection

L. radical symbol

O. transversal

R. exterior angles