

8th Grade CCSS Math Vocabulary Study Sheet 1

1. cone volume	The number of cubic units needed to fill a cone.
2. congruent	Having the same size and shape.
3. dilation	A transformation created proportionally by enlarging or reducing a figure.
4. exterior angles	An angle formed outside a polygon by extending one of its sides.
5. hypotenuse	The side opposite the right angle. It is the longest side of a right triangle.
6. image	A figure resulting from a transformation.
7. plane	A flat two-dimensional surface that goes in all directions forever
8. pre-image	The original image before transformation.
9. proof	A convincing demonstration that a mathematical statement is true.
10. 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 ($A^2+B^2=C^2$).
11. radical symbol	The symbol used to represent the non negative square root of a number.
12. reflection	A transformation created by reflecting (flipping) an image over a line.
13. rotation	A transformation made by turning or spinning a figure around a given point.
14. slope	A measure of the steepness of a line on a graph.
15. sphere volume	The number of cubic units needed to fill a sphere.
16. transformation	Moving a shape so that it is in a different position, but still has the same size, area angles, and line lengths.
17. translation	A transformation created by sliding an object.
18. transversal	A line that intersects two or more lines in a given plane.