

# 8th Grade CCSS Math Vocabulary Word Search 10

1. First, write the correct clue number to the left of each word in the Word Bank. Then, circle the words that have been hidden vertically, horizontally, and diagonally.

F	D	E	X	T	E	R	I	O	R	A	N	G	L	E	S	Q	R	T	H
P	Y	T	H	A	G	O	R	E	A	N	T	H	E	O	R	E	M	F	Y
P	W	T	R	A	N	S	F	O	R	M	A	T	I	O	N	E	D	Q	P
R	T	R	A	N	S	L	A	T	I	O	N	J	X	W	G	W	Q	T	O
E	C	D	N	I	O	N	Y	P	R	O	O	F	W	A	L	T	V	N	T
	X	Q	S	C	M	U	T	L	G	C	N	Q	M	S	C	G	W	E	E
I	R	E	F	L	E	C	T	I	O	N	B	I	K	N	H	U	F	U	N
M	O	B	D	I	L	A	T	I	O	N	P	M	O	B	F	V	Y	R	U
A	J	R	W	R	A	D	I	C	A	L	S	Y	M	B	O	L	V	G	S
G	V	O	E	A	D	P	D	L	A	P	R	O	T	A	T	I	O	N	E
E	O	P	N	U	T	R	A	N	S	V	E	R	S	A	L	F	I	O	Q
X	L	S	P	H	E	R	E	V	O	L	U	M	E	X	L	B	R	C	C

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

Pythagorean Theorem

plane

reflection

pre-image

transversal

exterior angles

dilation

proof

translation

image

congruent

rotation

hypotenuse

radical symbol

transformation

sphere volume