

8th Grade Math Vocabulary TEST 1

Match the word with its definition by writing the correct number in the space provided.

- | | |
|----------------------------|--|
| _____ origin | 1 The number which is multiplied by one or more variables or powers of variables in the term |
| _____ negative association | 2 A relationship in paired data in which one variable's values tend to increase when the other decreases, and vice-versa |
| _____ coefficient | 3 The volume (V) of a cone is equal to $\frac{1}{3}\pi r^2 h$ |
| _____ cube root | 4 A transformation of a figure by turning it about a point or axis |
| _____ rotation | 5 A mathematical notation indicating the number of times a quantity is multiplied by itself |
| _____ power of 10 | 6 The point of intersection of the x- and y-axes in a rectangular coordinate system, where the x-coordinate and y-coordinate are both zero (0) |
| _____ Pythagorean theorem | 7 A value that, when used in a multiplication three times, gives that number |
| _____ cone volume formula | 8 A number with 10 as a base and a whole-number exponent |
| _____ exponent | 9 Answer to a problem |
| _____ solution | 10 A solid figure with a polygon base and triangular sides that meet at a single point |

8th Grade Math Vocabulary TEST 1

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8th Grade Math Vocabulary TEST 2

Match the word with its definition by writing the correct number in the space provided.

_____ coordinate	1 The point at which lines or curves meet; the line where planes meet
_____ input	2 The result of a solved expression when the "input" has been substituted for the variable
_____ statistical	3 Of, relating to, or employing statistics or the principles of statistics
_____ number line	4 The ratio of change in the vertical axis (y-axis) to change in the horizontal axis (x-axis)
_____ output	5 Numbers that correspond to points on a coordinate plane in the form (x, y), or a number that corresponds to a point on a number line
_____ slope	6 Having exactly the same shape and size
_____ congruent	7 A transformation in which every point in a figure is moved in the same direction and by the same distance; Also called a slide
_____ Intersection	8 A standard grid, composed of lines of latitude and longitude, used to determine the absolute location of any object, place, or feature on the earth's surface
_____ translation	9 The value substituted for a variable in an expression
_____ coordinate system	10 A line on which ordered numbers can be written or visualized and may include negative numbers

8th Grade Math Vocabulary TEST 2

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8th Grade Math Vocabulary TEST 3

Match the word with its definition by writing the correct number in the space provided.

_____ rotation	1 Data for two variables
_____ congruent	2 Any number that can be written as a fraction
_____ cone volume formula	3 Descriptive information
_____ rational number	4 A general statement written in numbers, symbols, or words that describes how to determine any term in a pattern or relationship
_____ rule	5 The point of intersection of the x- and y-axes in a rectangular coordinate system, where the x-coordinate and y-coordinate are both zero (0)
_____ 2-dimensional figure	6 A relationship in paired data in which one variable's values tend to increase when the other decreases, and vice-versa
_____ origin	7 The volume (V) of a cone is equal to $\frac{1}{3}\pi r^2 h$
_____ negative association	8 A flat shape that only has length and height, but not width (depth)
_____ bivariate	9 A transformation of a figure by turning it about a point or axis
_____ measurement data	10 Having exactly the same shape and size
_____ qualitative	

8th Grade Math Vocabulary TEST 3

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8th Grade Math Vocabulary TEST 4

Match the word with its definition by writing the correct number in the space provided.

_____ irrational numbers	1 The value substituted for a variable in an expression
_____ input	2 Numbers, symbols grouped together to show the value of something
_____ axis	3 To change something from one form to another
_____ expression	4 A change in the size, shape, or position of a figure
_____ sphere volume	5 A number outside the parenthesis can be multiplied to each term within the parenthesis. Ex. $a(b + c) = ab + ac$
_____ coordinate	6 A number that cannot be written as a simple fraction - the decimal goes on forever without repeating
_____ distributive property	7 The total amount of space enclosed in a sphere
_____ slope	8 The ratio of change in the vertical axis (y-axis) to change in the horizontal axis (x-axis)
_____ transformation	9 The horizontal and vertical number lines used in a coordinate plane system
_____ convert	10 Numbers that correspond to points on a coordinate plane in the form (x, y), or a number that corresponds to a point on a number line; Also called ordered pairs

8th Grade Math Vocabulary TEST 4

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8th Grade Math Vocabulary TEST 5

Match the word with its definition by writing the correct number in the space provided.

_____ data point	1 Numbers, symbols grouped together to show the value of something
_____ determine	2 Data for two variables
_____ bivariate	3 To solve or find the value of an expression
_____ measurement data	4 To work out the answer
_____ proportional	5 The ratio of the change in the output value and change in the input value of a function
_____ relationship	6 The location of a single point on a rectangular coordinate system where the first and second values represent the position relative to the x-axis and y-axis
_____ solve	7 A number outside the parenthesis can be multiplied to each term within the parenthesis. Ex. $a(b + c) = ab + ac$
_____ rate of change	8 An item of factual information resulting from measurement or research
_____ ordered pair	9 If one of the related things is multiplied in size by a number, which we'll call x, then the other related thing is also multiplied by x
_____ distributive property	10 To find or figure out
_____ expression	
_____ evaluate	

8th Grade Math Vocabulary TEST 5

Match the word with its definition by writing the correct number in the space provided.

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_____ expression	
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8th Grade Math Vocabulary TEST 6

Match the word with its definition by writing the correct number in the space provided.

- | | |
|---------------------------------|---|
| _____ simultaneous linear | 1 Examining parts to understand how they work together |
| _____ distributive property | 2 The number which is multiplied by one or more variables or powers of variables in the term |
| _____ solve | 3 A mathematical rule written using symbols, usually as an equation describing a certain relationship between quantities |
| _____ formula | 4 A number outside the parenthesis can be multiplied to each term within the parenthesis Ex. $a(b + c) = ab + ac$ |
| _____ Intersection | 5 If one of the related things is multiplied in size by a number, which we'll call x , then the other related thing is also multiplied by x |
| _____ linear equation | 6 Two or more linear equations containing common variable(s) |
| _____ proportional relationship | 7 The point at which lines or curves meet; the line where planes meet |
| _____ coefficient | 8 A graph of plotted points that show the relationship between two sets of data |
| _____ scatter plot | 9 An equation that makes a straight line when it is graphed |
| _____ analyze | 10 To work out the answer |

8th Grade Math Vocabulary TEST 6

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8th Grade Math Vocabulary TEST 7

Match the word with its definition by writing the correct number in the space provided.

_____ estimate/estimation	1 Having no limits or boundaries in time or space or extent or magnitude; endless
_____ cone volume formula	2 A relationship in paired data in which one variable's values tend to increase when the other decreases, and vice-versa
_____ formula	3 The point at which two lines intersect, or cross
_____ point of intersection	4 The ratio of change in the vertical axis (y-axis) to change in the horizontal axis (x-axis)
_____ slope	5 Two or more linear equations containing common variable(s)
_____ proportional relationship	6 The volume (V) of a cone is equal to $\frac{1}{3}\pi r^2 h$
_____ negative association	7 To guess closely; an answer that is close to the exact answer
_____ simultaneous linear	8 A mathematical rule written using symbols, usually as an equation describing a certain relationship between quantities
_____ infinite	9 If one of the related things is multiplied in size by a number, which we'll call x, then the other related thing is also multiplied by x
_____ translation	10 A transformation in which every point in a figure is moved in the same direction and by the same distance; Also called a slide

8th Grade Math Vocabulary TEST 7

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8th Grade Math Vocabulary TEST 8

Match the word with its definition by writing the correct number in the space provided.

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|---------------------------|---|
| _____ sphere volume | 1 The total amount of space enclosed in a sphere |
| _____ estimate/estimation | 2 A solid object with 2 identical flat ends that are circular and 1 curved side |
| _____ cylinder | 3 Having exactly the same shape and size |
| _____ line of fit | 4 To solve or find the value of an expression |
| _____ digit | 5 To guess closely; an answer that is close to the exact answer |
| _____ evaluate | 6 The ratio of change in the vertical axis (y-axis) to change in the horizontal axis (x-axis) |
| _____ coordinate plane | 7 Any of the symbols 0,1,2,3,4,5,6,7,8,9 used to write numbers |
| _____ truncate | 8 Limit the number of digits to the right of the decimal point |
| _____ congruent | 9 A plane formed by a horizontal number line called the x-axis and a vertical number line called the y-axis |
| _____ slope | 10 A line that is drawn through the data on a scatter plot to describe the trend of the data |

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8th Grade Math Vocabulary TEST 9

Match the word with its definition by writing the correct number in the space provided.

_____ transversal	1 Any number that can be written as a fraction
_____ theorem	2 A problem that is an application of a real-life situation involving mathematics
_____ simultaneous linear	3 A change in the size, shape, or position of a figure
_____ rational number	4 How likely it is for an event to happen
_____ axis	5 A grouping of a number of similar things
_____ cluster	6 The horizontal and vertical number lines used in a coordinate plane system
_____ number line	7 Two or more linear equations containing common variable(s)
_____ probability	8 A line on which ordered numbers can be written or visualized and may include negative numbers
_____ transformation	9 An assertion that can be proved true using the rules of logic
_____ Real-world problem	10 A line that intersects two or more lines at different points

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8th Grade Math Vocabulary TEST 10

Match the word with its definition by writing the correct number in the space provided.

_____ cluster	1 A grouping of a number of similar things
_____ simultaneous linear	2 A relationship in paired data in which the two sets of data tend to increase together or decrease together
_____ algebraic expression	3 Any of the symbols 0,1,2,3,4,5,6,7,8,9 used to write numbers
_____ probability	4 If one of the related things is multiplied in size by a number, which we'll call x, then the other related thing is also multiplied by x
_____ positive association	5 How likely it is for an event to happen
_____ digit	6 To solve problems that use numbers
_____ transversal	7 Says two things are the same, using math symbols
_____ compute	8 Two or more linear equations containing common variable(s)
_____ equation	9 A mathematical phrase that can contain ordinary numbers, variables (like x or y) and operators (like add, subtract, multiply, and divide)
_____ proportional relationship	10 A line that intersects two or more lines at different points

8th Grade Math Vocabulary TEST 10

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8th Grade Math Vocabulary TEST 11

Match the word with its definition by writing the correct number in the space provided.

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|-----------------------|---|
| _____ theorem | 1 To solve or find the value of an expression |
| _____ rule | 2 A line that is drawn through the data on a scatter plot to describe the trend of the data |
| _____ output | 3 A general statement written in numbers, symbols, or words that describes how to determine any term in a pattern or relationship |
| _____ intercept | 4 To work out the answer |
| _____ evaluate | 5 An assertion that can be proved true using the rules of logic |
| _____ transversal | 6 The part of a line consisting of two endpoints and all points between them |
| _____ line segment | 7 The point at which a line or curve intersects an axis |
| _____ linear equation | 8 The result of a solved expression when the "input" has been substituted for the variable |
| _____ solve | 9 A line that intersects two or more lines at different points |
| _____ line of fit | 10 An equation that makes a straight line when it is graphed |

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| _____ line of fit | 10 An equation that makes a straight line when it is graphed |

8th Grade Math Vocabulary TEST 12

Match the word with its definition by writing the correct number in the space provided.

_____ coordinate system	1 A triangle with one angle measuring 90°
_____ solution	2 A solid figure with a polygon base and triangular sides that meet at a single point
_____ compute	3 The value substituted for a variable in an expression
_____ input	4 A relationship in paired data in which one variable's values tend to increase when the other decreases, and vice-versa
_____ Real-world problem	5 A transformation in which every point in a figure is moved in the same direction and by the same distance; Also called a slide
_____ translation	6 A standard grid, composed of lines of latitude and longitude, used to determine the absolute location of any object, place, or feature on the earth's surface
_____ negative association	7 To solve problems that use numbers
_____ Pythagorean theorem	8 Answer to a problem
_____ right triangle	9 A line that runs top to bottom on a grid (y-axis)
_____ vertical axis	10 A problem that is an application of a real-life situation involving mathematics

8th Grade Math Vocabulary TEST 12

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_____ vertical axis	10 A problem that is an application of a real-life situation involving mathematics

8th Grade Math Vocabulary TEST 13

Match the word with its definition by writing the correct number in the space provided.

_____ corresponding angle	1 Any of the symbols 0,1,2,3,4,5,6,7,8,9 used to write numbers
_____ converse	2 Any number that can be written as a fraction
_____ number line	3 Not a whole number, only part of the whole; a number with a decimal point
_____ axis	4 When two lines are crossed by another line (which is called the Transversal), the angles in matching corners are called these.
_____ positive association	5 Switching the hypothesis and conclusion of a conditional statement ("If... then..." statement)
_____ power of 10	6 A number with 10 as a base and a whole-number exponent
_____ theorem	7 A relationship in paired data in which the two sets of data tend to increase together or decrease together
_____ digit	8 The horizontal and vertical number lines used in a coordinate plane system
_____ decimal (number)	9 An assertion that can be proved true using the rules of logic
_____ rational number	10 A line on which ordered numbers can be written or visualized and may include negative numbers

8th Grade Math Vocabulary TEST 13

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8th Grade Math Vocabulary TEST 14

Match the word with its definition by writing the correct number in the space provided.

_____ irrational numbers	1 A triangle with one angle measuring 90°
_____ right triangle	2 To find how things are different or the same
_____ compute	3 A number that cannot be written as a simple fraction - the decimal goes on forever without repeating
_____ cube root	4 The point of intersection of the x- and y-axes in a rectangular coordinate system, where the x-coordinate and y-coordinate are both zero (0)
_____ origin	5 The symbol $\sqrt{}$, which is used to represent the square root or nth root of a number
_____ compare	6 A transformation in which every point in a figure is moved in the same direction and by the same distance; Also called a slide
_____ bivariate measurement data	7 A value that, when used in a multiplication three times, gives that number
_____ translation	8 To solve problems that use numbers
_____ radical	9 A graph of plotted points that show the relationship between two sets of data
_____ scatter plot	10 Data for two variables

8th Grade Math Vocabulary TEST 14

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_____ bivariate measurement data	7 A value that, when used in a multiplication three times, gives that number
_____ translation	8 To solve problems that use numbers
_____ radical	9 A graph of plotted points that show the relationship between two sets of data
_____ scatter plot	10 Data for two variables

8th Grade Math Vocabulary TEST 15

Match the word with its definition by writing the correct number in the space provided.

_____ irrational numbers	1 The point at which two lines intersect, or cross
_____ decimal (number)	2 A number that cannot be written as a simple fraction - the decimal goes on forever without repeating
_____ rational number	3 Not a whole number, only part of the whole; a number with a decimal point
_____ cylinder	4 An angle between one side of a polygon and the extension of an adjacent side
_____ transversal	5 A special relationship between values: Each input values gives back exactly one output value
_____ point of intersection	6 The total amount of space enclosed in a sphere
_____ exterior angle	7 Any number that can be written as a fraction
_____ sphere volume	8 A line that intersects two or more lines at different points
_____ function	9 Having no limits or boundaries in time or space or extent or magnitude; endless
_____ infinite	10 A solid object with 2 identical flat ends that are circular and 1 curved side

8th Grade Math Vocabulary TEST 15

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