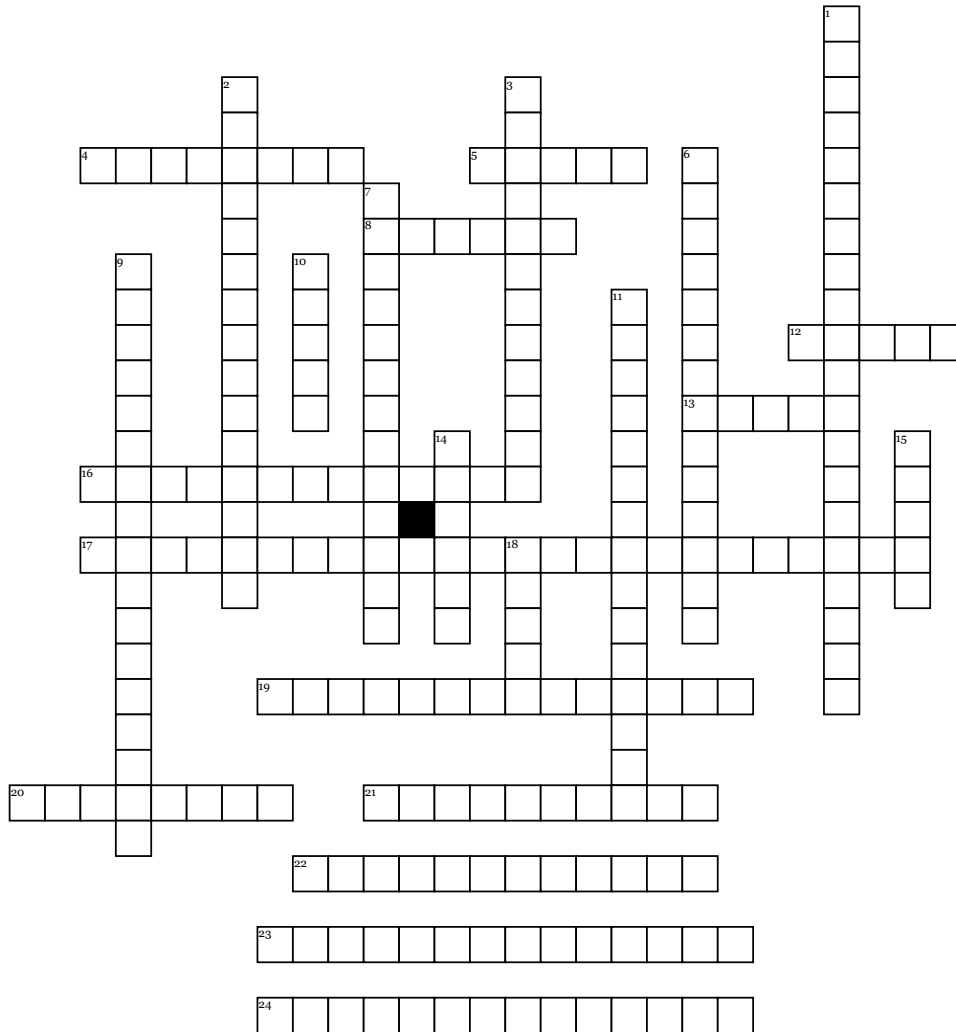


# Math Vocab



**Across**

- 4. Any of the four regions created when the x-axis intersects the y-axis that are usually numbered with Roman numerals
- 5. A unit engineers use to measure the steepness of a hill
- 8. The point where zero on the x-axis intersects zero on the y-axis. The point (0, 0)
- 12. Horizontal number line that extends indefinitely in both directions from zero
- 13. Numbers or quantities arranged in rows and columns
- 16. When a line falls down from left to right
- 17. When two quantities have the same relative size
- 19. When a line does not run at all as one reads from bottom to top on the y-axis

- 20. When a line does not rise at all as one reads it from left to right on the x-axis
- 21. Where a line crosses the y-axis
- 22. looks like  $Ax + By = C$ , where A, B, and C are integers and  $A > 0$ . Graphing equations in Standard form using the intercepts
- 23. The point-slope equation for a line is  $y - y_1 = m(x - x_1)$  where m is the slope and  $(x_1, y_1)$  is a point on the line
- 24. A graph that is represented by a straight line

**Down**

- 1. A rate that describes how one quantity changes in relation to another. This rate never changes
- 2. A relationship between two variables in which one is a constant multiple of the other. When one variable changes the other changes in proportion to the first

- 3. A line whose direction is only up and down. All of the x-coordinates on the line are equal
- 6. A line whose direction is left and right. All of the y-coordinates on the line are equal
- 7. When a line rises from left to right
- 9. Any function that is not represented as a straight line
- 10. One type of straight line equation that utilizes the slope and y-intercept to
- 11. The two dimensional plane or flat surface that is created when the x-axis intersects with the y-axis
- 14. Any set of numbers that is the input of a relation or function
- 15. How much a line rises or falls Steepness of a line The ratio of a line rise over its run
- 18. Any set of numbers that is the output of a relation or function

**Word Bank**

Table  
Slope  
Range  
Undefined Slope  
Grade  
graph.

Quadrant  
Horizontal Line  
Standard form  
Direct Variation  
Proportional Relationship  
x axis

Negative slope  
Point Slope Form  
Y intercept  
Linear Function  
Coordinate plane  
Origin

Domain  
Positive Slope  
Constant Rate of Change  
Non Linear Function  
Vertical Line  
Zero Slope