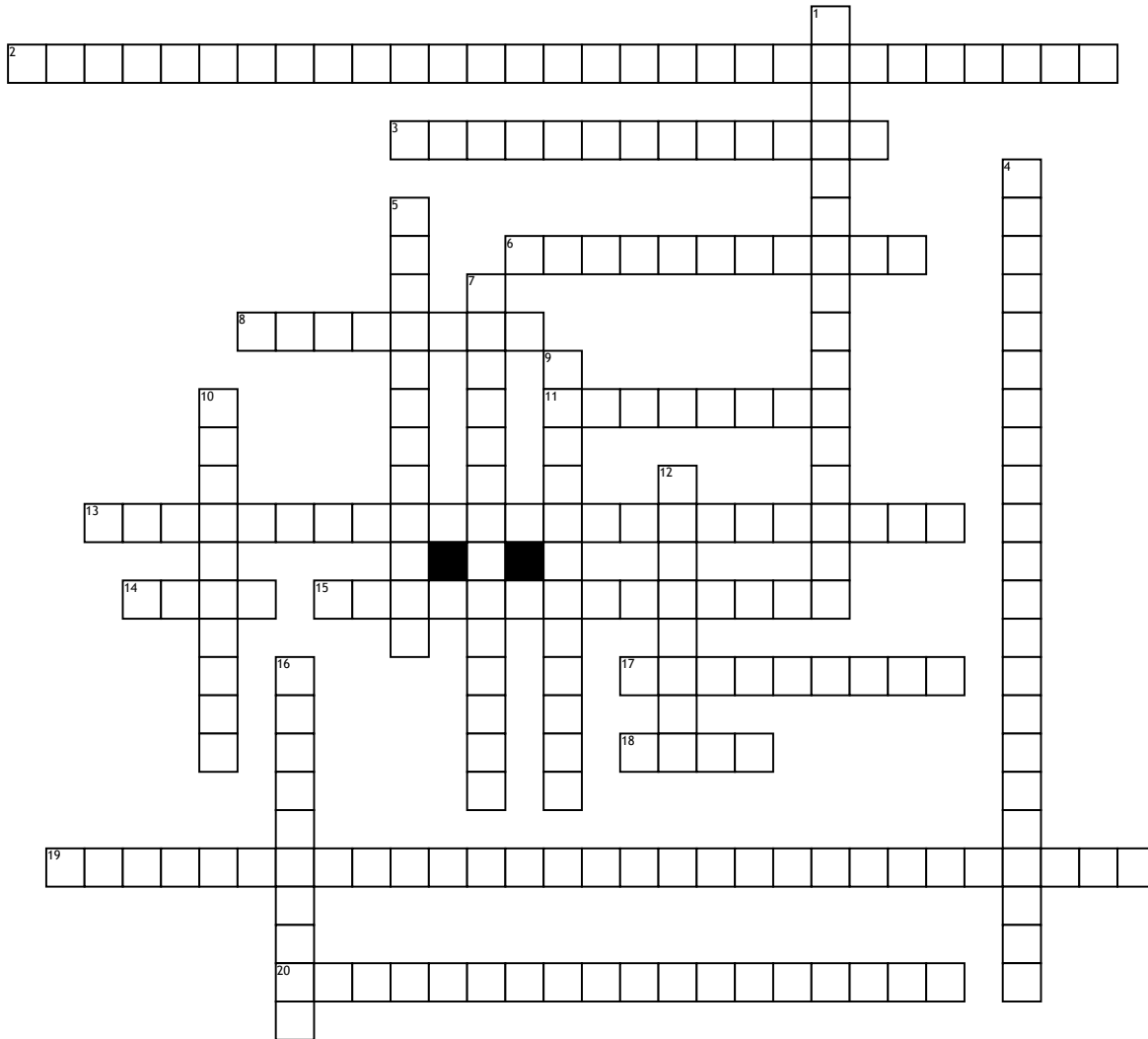


Systems of Equations



Across

2. The slope of a line is a number that measures its "steepness", usually denoted by the letter m . It is the change in y for a unit change in x along the line.
3. When the speed of an object remains the same
6. The number that is multiplied by the variable in an algebraic expression
8. Ordered pair of numbers that is a solution to both equations is a _____ to a system of equations
11. a letter or symbol that represents a number and can change
13. Two or more linear equations that have the same variables
14. A number, a variable, or the product of a number and a variable

15. an equation between two variables that gives a straight line when plotted on a graph.
17. terms that have the same variables with the exact same exponents
18. A _____ rate is a rate in which the second quantity in the comparison is one unit
19. $ax+by+c$
20. Point-slope is the general form $y-y_1=m(x-x_1)$ for linear equations. It emphasizes the slope of the line and a point on the line (that is not the y -intercept).

Down

1. An equation that makes a straight line when it is graphed. The exponent of the variable is 1.
4. $y=mx+b$

5. Lines that include the Y -axis and are parallel to the Y -axis. The slope is undefined.
7. The X -axis or any line parallel to the X -axis and always has zero slope
9. total distance/total time
10. the y -coordinate of a point where a graph crosses the y -axis
12. A mathematical sentence that shows that two expressions are equivalent.
16. the x -coordinate of the point where the line crosses the x -axis