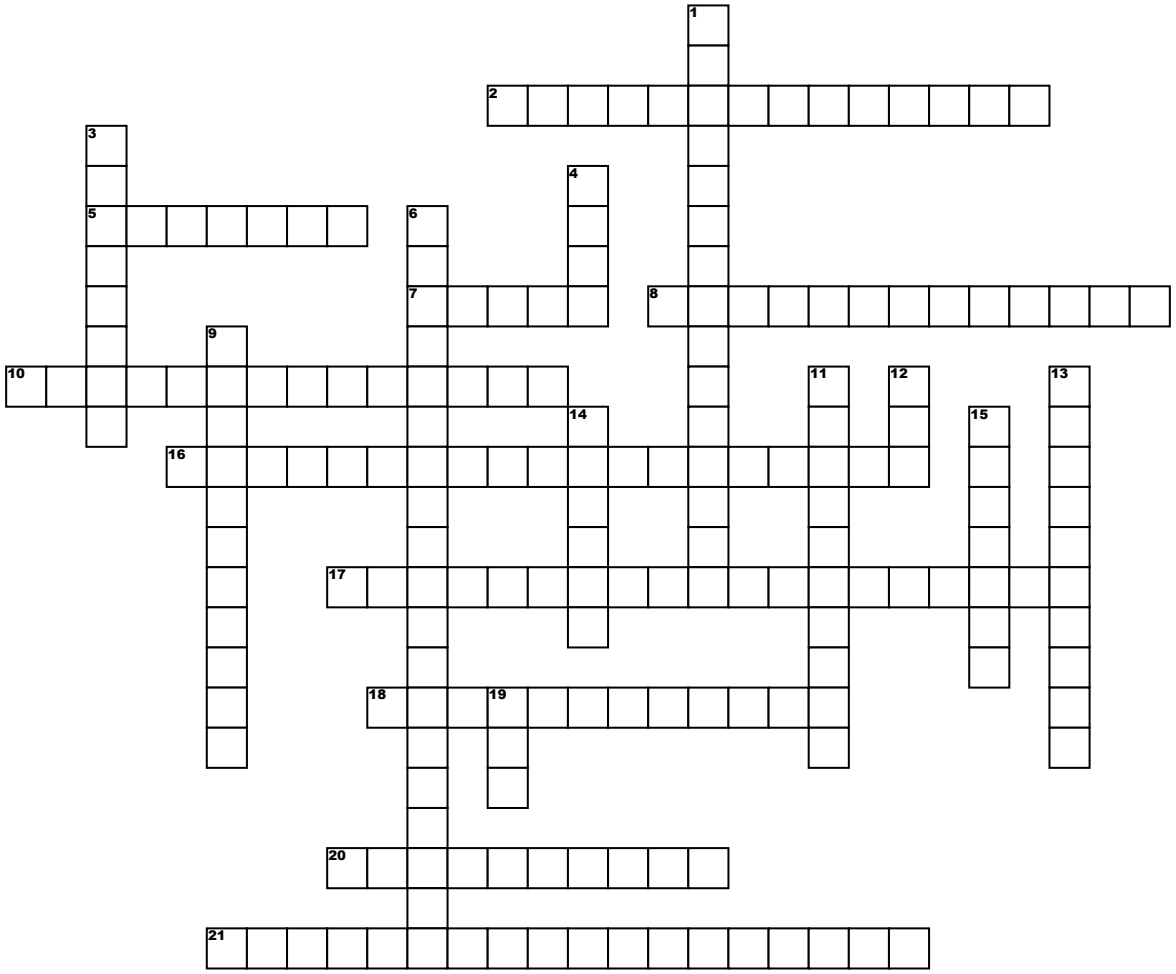
Equations of lines



Across

2. slope = 0

5. standard form of a linear equation

7. ratio of rise to run

8. Two lines that do not intersect. The slope of parallel lines are the same.

10. an equation whose solution falls on a line on the coordinate plane

16. the y-coordinates tend to decrease as the x-coordinates increase

17. y = mx + b

18. slope = undefined

20. where the line crosses the y-axis

21. Two lines that intersect at a right angle. The slopes of perpendicular lines are opposite reciprocals of each other.

Down

1. a plane formed by the intersection of the x-axis and y-axis

3. one of four regions created by the x-axis and y-axis in a coordinate plane

4. amount of vertical change (difference in the y-values)

6. the y-coordinates tend to increase as the x-coordinates decrease

9. Two coordinates used to graph a point on a coordinate plane. Written as (x,y)

11. where the line crosses the x-axis

12. amount of horizontal change (difference in x-values)

13. point slope form

14. the point (0,0) where the x-axis and y-axis intersect on the coordinate plane

15. A line which is flat--having no vertical change from left to right.

19. How many points do you need to graph a line?

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