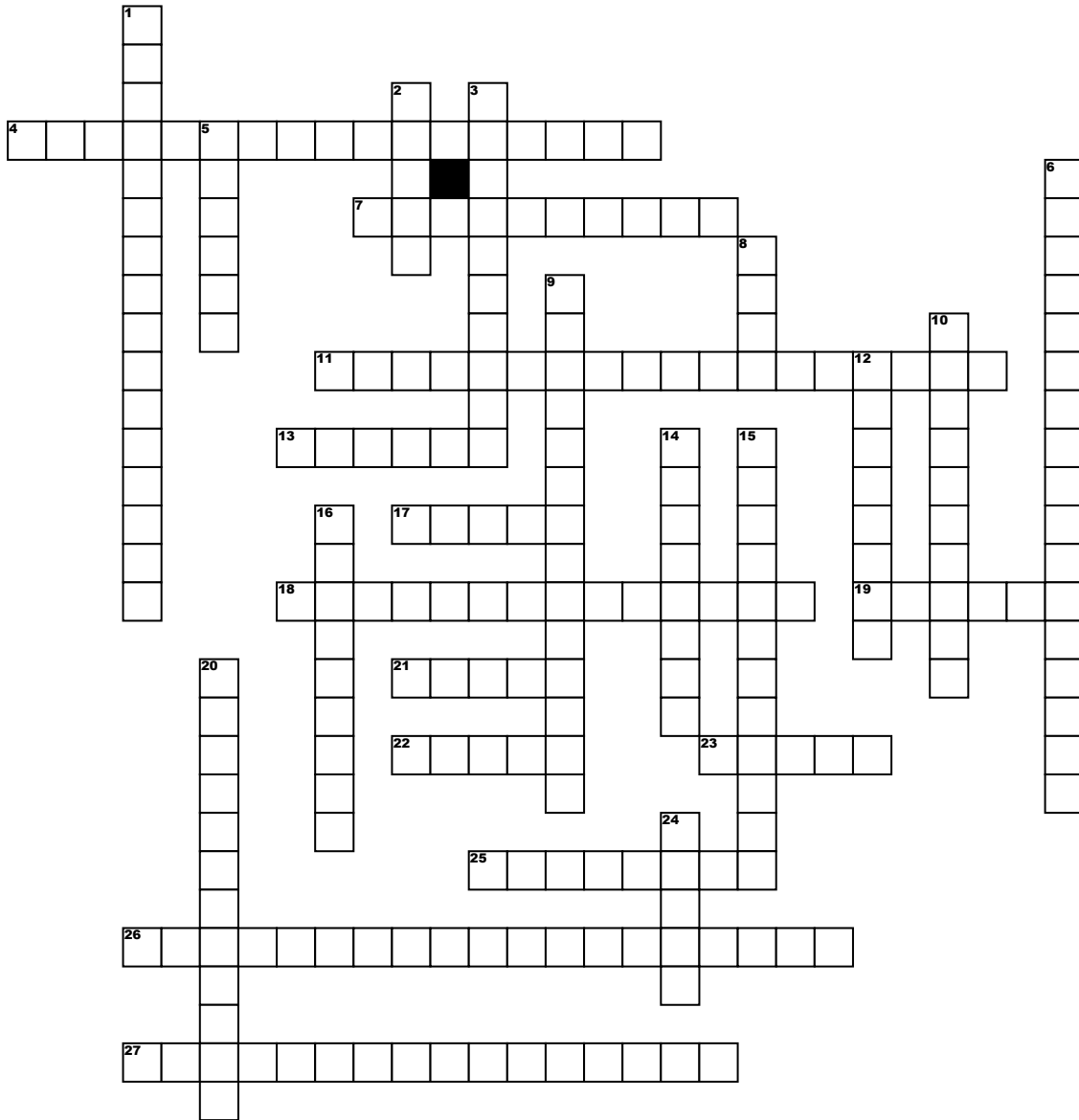


# Math vocab#2



**Across**

- 4. a variable whose value depends upon an independant variables
- 7. - the x coordinate of a point where a line, curve, or surface intersects the x-axis
- 11. the way of writing the the equation of a line slope and y-intercept are immediately apparent
- 13. the dependant variable
- 17. a line in a plane containing the x axis and the y axis is generally represented by the letter m and is defined as the change in the y coordinate between two distinct points on the line
- 18. any function that graphs to a straight line
- 19. on the flat coordinate plane, there are two axes ,the origin is the point where they intersect
- 21. - a function is any relationship between inputs and outputs in which each input leads to exactly one output , the independent variable
- 22. the quantitative relationship between two amounts showing the number of times one value
- 23. the difference between the highest and lowest values

- 25. - a comparison of two different quantities when they are combined together
  - 26. a variable that represents a quantity that is being manipulated in an experiment
  - 27. a visual way to determine if a curve is a graph of a function or not
- Down**
- 1. a relationship between two variables in which one is a constant multiple of the other . I'm particular, when one variable changes the other changes in proportion to the first
  - 2. the secondary or vertical axis of a system of coordinates, points along which have a value of zero for all other coordinates
  - 3. When the equation is written as  $(y=mx+b)$  the slope is the number "m" that is multiplied on the x , and "b" is the y- intercept, where the line crosses over the y-axis
  - 5. the set of inputs which the function is defined
  - 6. - a function that is not a linear function
  - 8. mathematical method of performing a calculation or solving a problem

- 9. an equation between two variables that gives a straight line when plotted on a graph
- 10. a name we give to a statement where two ratios are equal
- 12. the relationship between any set of inputs and permissible outputs
- 14. a collection of ordered pairs
- 15. a ratio between a change in one variable relative to a corresponding change in another
- 16. cost per liter, kilogram, pound, etc. Divide the cost by quantity
- 20. to be able to write the equation a line in standard form, the standard form of a line is in the form  $(ax+by=c)$  where A is a positive integer ,and B, and C, are integers
- 24. the principal or horizontal axis of a system of coordinates, points along which have a value of zero for all other coordinates