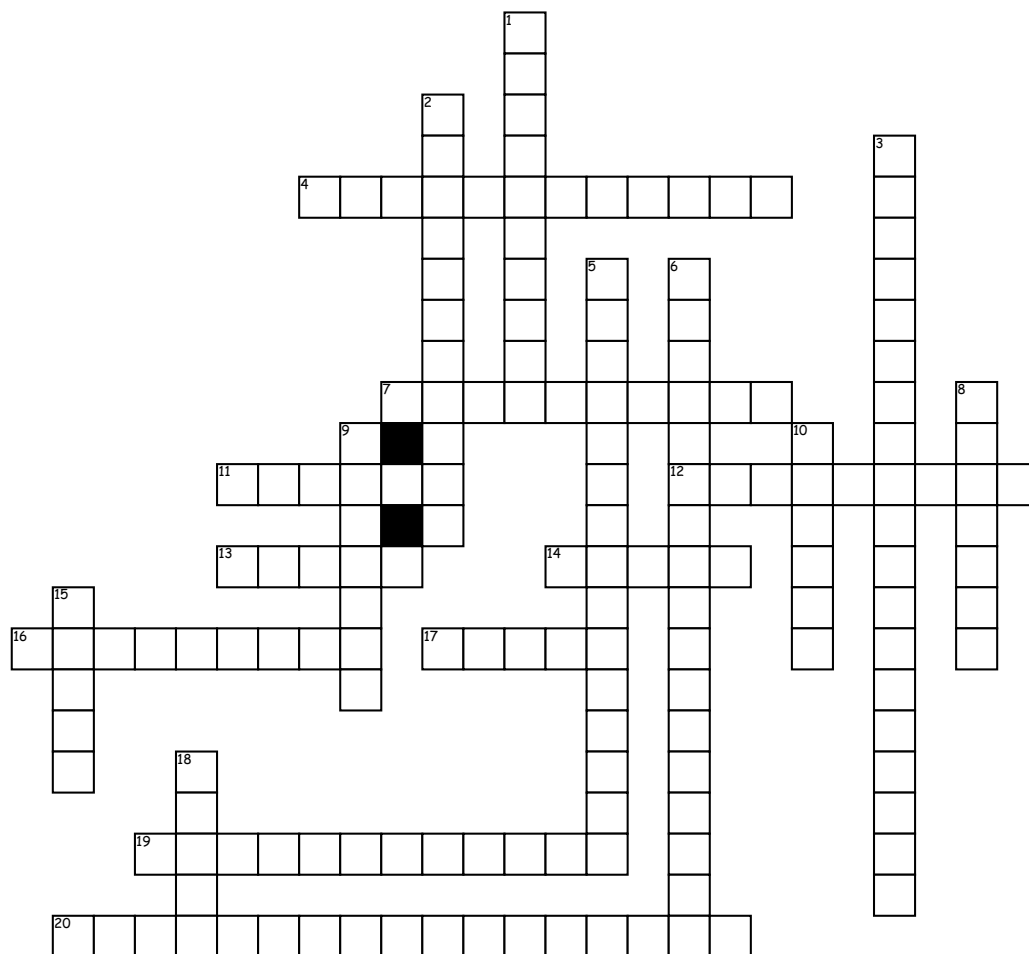


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# Math Crossword Puzzle



## Across

4. a pair of elements  $a, b$  having the property that  $(a, b) = (u, v)$  if and only if  $a = u, b = v$ .
7. the point in a function where the value of the x-coordinate is zero
11. the set of all possible values that can be used as input values in a function
12. A set of input and output values, usually represented in ordered pairs
13. a number that describes both the direction and the steepness of the line.
14. The vertical number line
16. relationship between two variables that can be expressed by an equation in which one variable is equal to a constant times the other.
17. a chart

19. a relation that holds between two values when they are different

20. the precedence of performing one arithmetical operation over another while working on a mathematical expression.

## Down

1. the point where a line, curve, or surface intersects the x-axis
2. a multiplicative factor in some term of an expression and does not involve any variables of the expression.
3. a difference in the grouping of numbers being added or multiplied will not change the result
5. putting the ordered pairs  $(x, y)$  in parentheses

6. an equation obtained by equating to zero a sum of a finite numbers

8. a relation between a set of inputs and a set of permissible outputs with the property that each input is related to exactly one output

9. each element of a given set is associated with an element of another set

10. a rectangular array of data in rows and columns

15. the horizontal line number

18. the set of all possible values of a function for the values of the variable

## Word Bank

relations  
associative property  
mapping  
coefficient  
table

variation  
inequalities  
ordered pairs  
y-intercept  
x-intercept

order of operations  
matrix  
slope  
x-axis  
y-axis

range  
function  
coordinate pairs  
algebraic equation  
domain