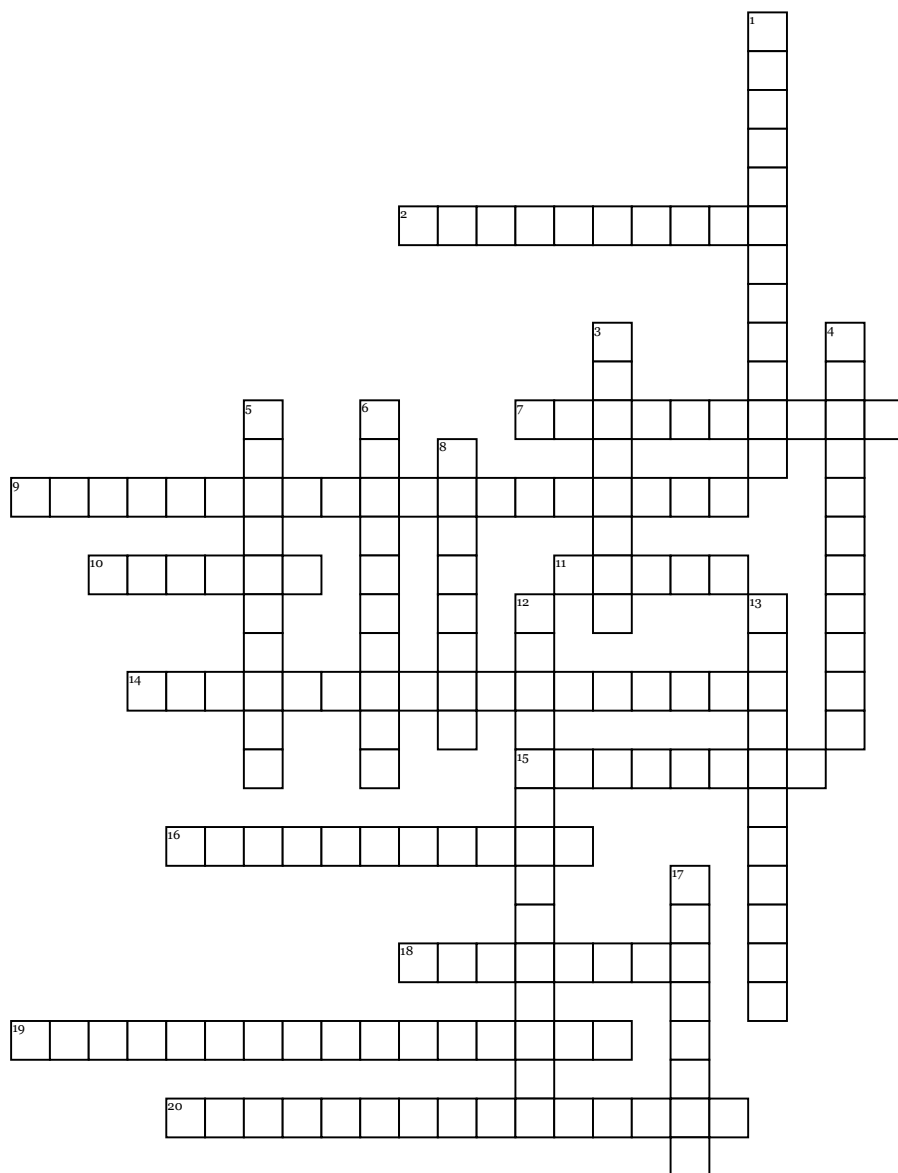


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# ALGEBRA CROSSWORD PUZZLE



## **Across**

- 2.** a mathematical phrase which contains one or more variables  
**7.** parallel to the plane of the horizon; at right angles to the vertical  
**9.** the input values of a function (usually x)  
**10.** a set of two or more equations using the same variables  
**11.** ratio of vertical change to horizontal change in a non-vertical line; change in y over change in x  
**14.** the output values in a function (usually y)  
**15.** to make less complex by distribution, reducing, combining like terms, etc.

- 16.** the strength of a relationship between two data sets  
**18.** a statement that two algebraic expressions are equal  
**19.** a function of the form  $y = a$  where a is a real number  
**20.** any value of x for which  $f(x) = 0$

## **Down**

- 1.** a point where the graph of a function changes direction  
**3.** a symbol, usually a letter, that represents one or more numbers  
**4.** the shift of a graph of a function horizontally, vertically or both  
**5.** a point at which a graph of a function crosses the x-axis

- 6.** a point at which a graph of a function crosses the y-axis  
**8.** determining the arithmetic value of an expression by substituting number values for the variables  
**12.** a change made to the values of a function which translates, reflects, rotates or dilates a graph of the function  
**13.** the numerical factor in a term  
**17.** a relation in which each element in the domain corresponds with exactly one element in the range