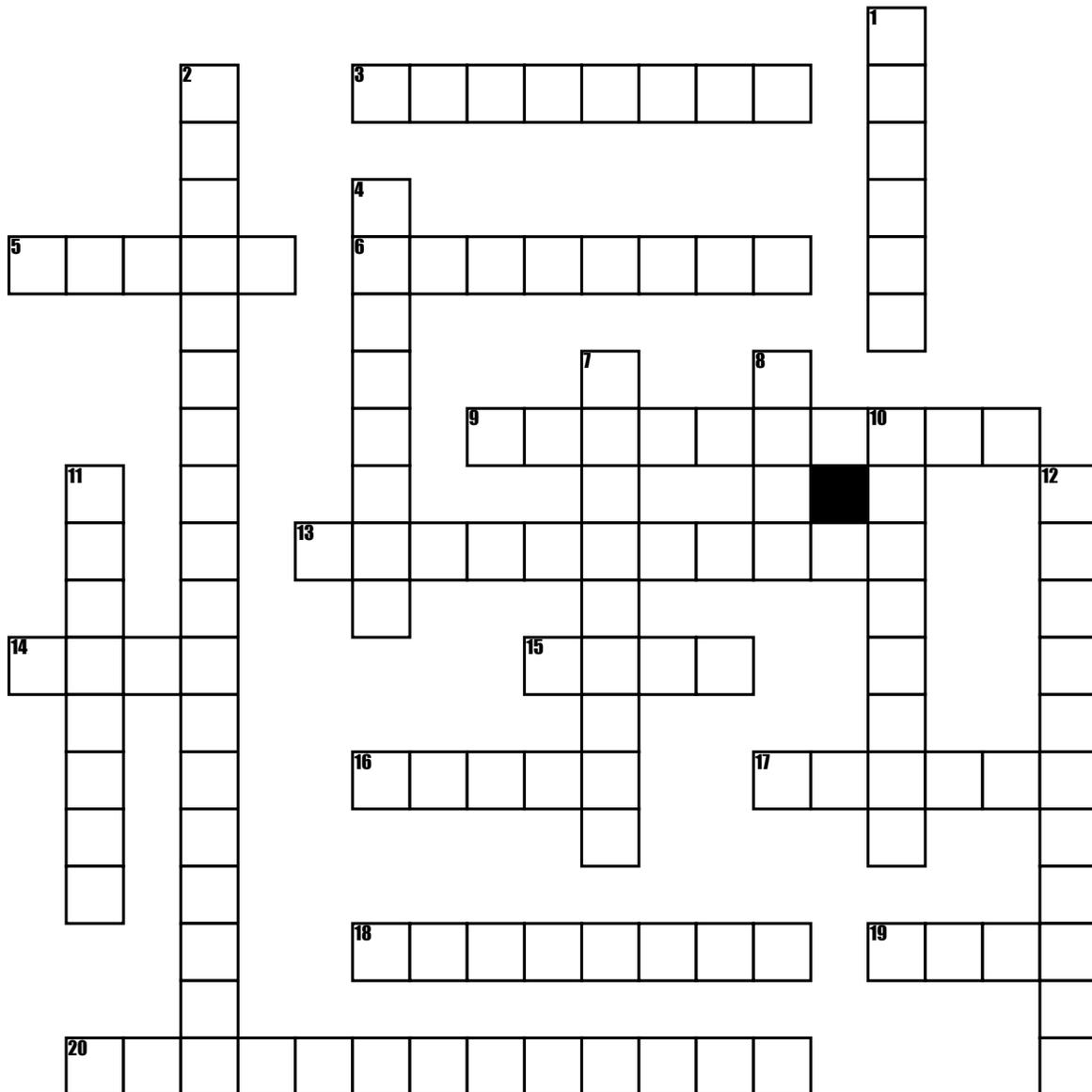


# ALGEBRA IS FUN!!



**Across**

- 3.** a letter used to represent one or more numbers
- 5.** is a number made of repeated factors
- 6.** one of four sections into which the coordinate plane is divided
- 9.** A statement that compares two quantities using  $<$ ,  $>$ ,  $\leq$ ,  $\geq$ , or  $\neq$
- 13.** number in front of a variable
- 14.** is the value in a data set that occurs most often. If all values occur the same amount of times there is no mode for that set.
- 15.** the sum of the values in a data set divided by the number of values in the set
- 16.** finding all the solutions of an equation
- 17.** is the set of all points that are an equal distance from a point called the center

**18.** type of graph in which the lengths of bars are used to represent and compare data in categories (TWO WORDS)

**19.** the number of square units needed to cover a flat surface

**20.** the distance a number is from 0 on the number line, value of  $n$  is written  $|n|$  (two words)

**Down**

- 1.** is the middle value in a data set where the numbers are ordered least to greatest
- 2.** the order in which operations in an expression to be evaluated are carried out. 1. parentheses 2. exponents 3. multiplication and division 4. addition and subtraction (three words)

**4.** a mathematical sentence with an equal sign that shows that two expressions are equivalent

**7.** The sum of the lengths of the sides of a polygon

**8.** is the number that is repeatedly multiplied in a power

**10.** Positive and Negative Whole Numbers and 0. Examples: ... -3, -2, -1, 0, 1, 2, 3....(Does not include fractions or decimals)

**11.** a mathematical notation indicating the number of times a quantity is multiplied by itself

**12.** A pair of numbers,  $(x, y)$ , that indicate the position of a point on a coordinate plane. (two words)