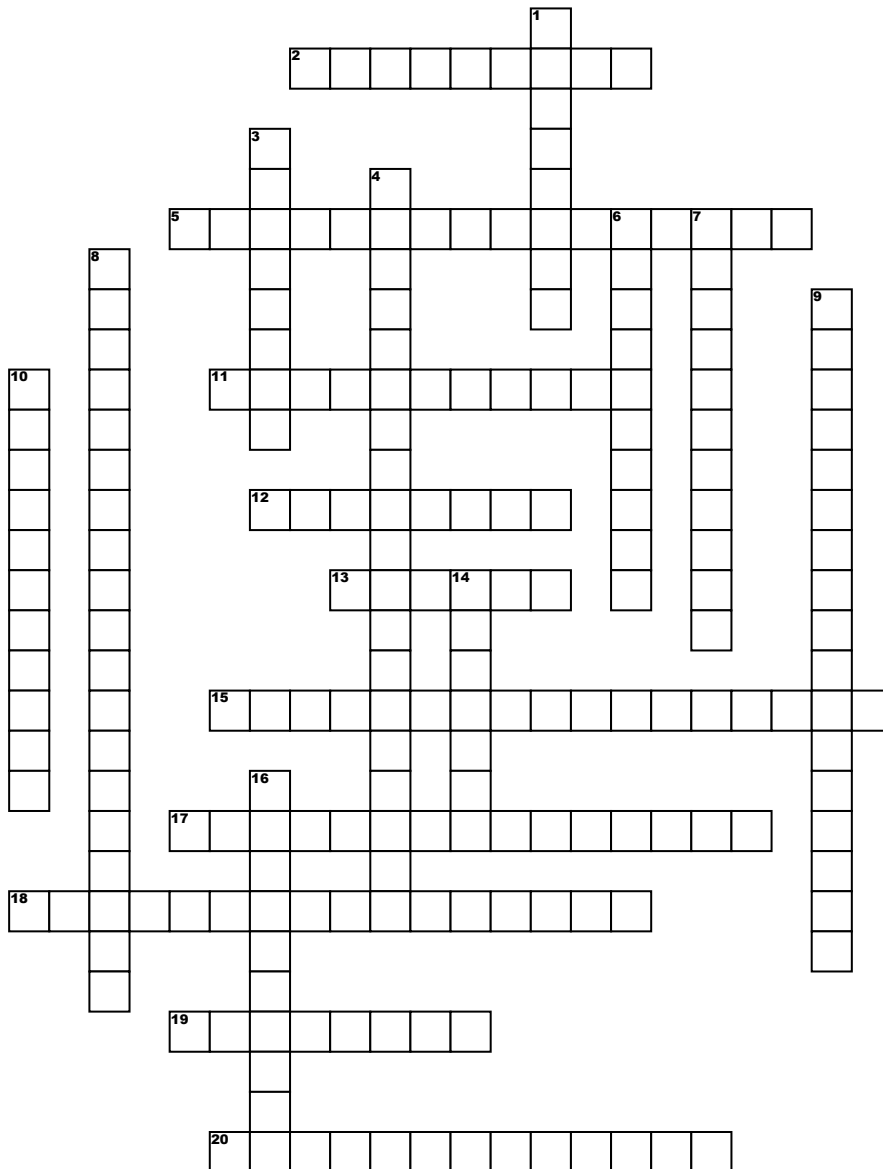


# algebra 1 term crossword puzzle



## Across

**2.** A number that must be multiplied times itself three times to equal a given number

**5.** A model for decay of a quantity for which the rate of decay is directly proportional to the amount present

**11.** The appearance of a graph as it is followed farther and farther in either direction

**12.** A mathematical sentence built from expressions using one or more equal signs (=).

**13.** The set of values of the independent variable(s) for which a function or relation is defined.

**15.** A variable that depends on one or more other variables

**17.** The plane formed by a horizontal axis and a vertical axis, often labeled the x-axis and y-axis, respectively

**18.** The "mirror line" of a reflection. That is, the line across which a reflection takes place

**19.** A relation for which each element of the domain corresponds to exactly one element of the range

**20.** For a term with one variable, the degree is the variable's exponent. With more than one variable, the degree is the sum of the exponents of the variables.

## Down

**1.** As a noun, a term or expression with no variables. Also, a term or expression for which any variables cancel out

**3.** x in the expression ax

**4.** The highest degree of any term in the polynomial

**6.** To multiply out the parts of an expression. Distributing is the opposite of factoring

**7.** The number multiplied times a product of variables or powers of variables in a term

**8.** A function of the form  $y = a \cdot b^x$  where  $a > 0$  and either  $0 < b < 1$  or  $b > 1$

**9.** A model for growth of a quantity for which the rate of growth is directly proportional to the amount present

**10.** For a geometric sequence or geometric series, the common ratio is the ratio of a term to the previous term.

**14.** The mathematics of working with variables

**16.** On the coordinate plane, the pair of numbers giving the location of a point (ordered pair).