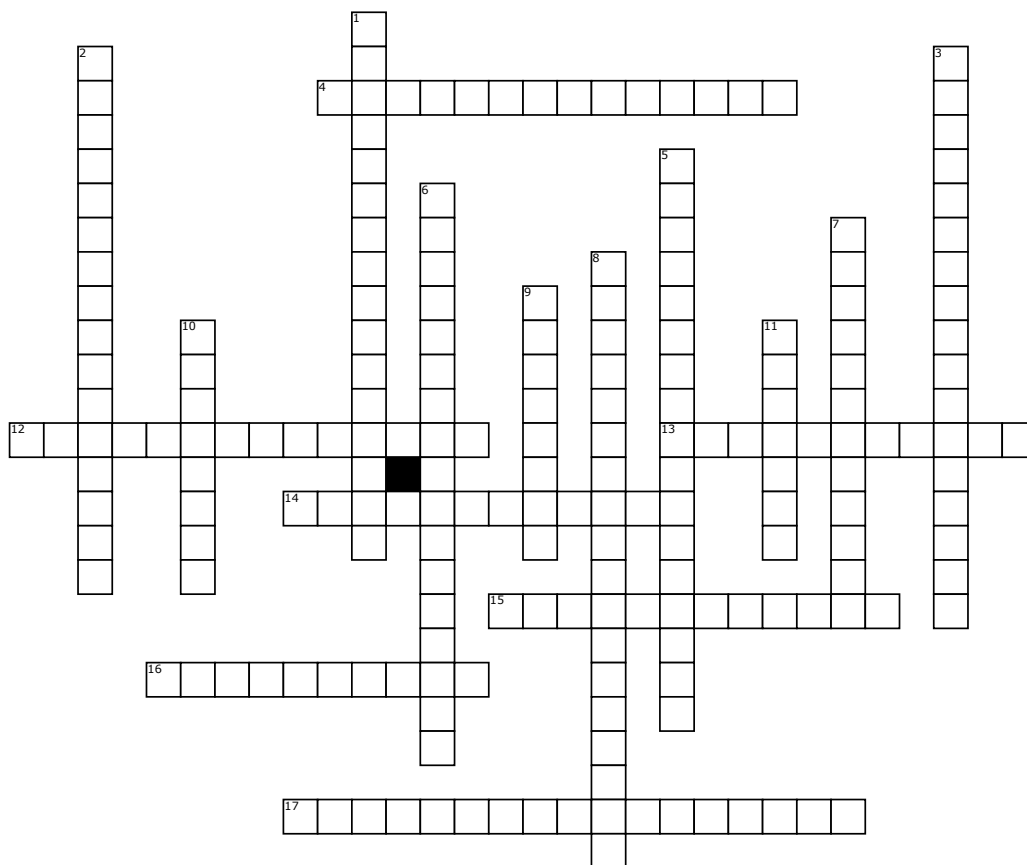


Name: \_\_\_\_\_

# Systems of Equations



## Across

**4.** An equation in two variables whose graphs in a coordinate plane is a straight line

**12.** Graphing two or more linear equations to determine the solution to the system

**13.** A pair of numbers that give the coordinate of a point on a grid in this order: (horizontal x, Vertical y)

**14.**  $m = \frac{y_2 - y_1}{x_2 - x_1}$

**15.** When a system of equations has no solution, it is called a(n) \_\_\_\_\_ system.

**16.** In a system equations where the lines are parallel

**17.** All ordered pairs on the lines are solutions for this set of equations. All lines stack up on one another.

## Down

**1.** Adding, subtracting, or multiplying a system of equations to help solve a system

**2.** A set of two or more inequalities with the same variables.

**3.** Two or more related linear equations

**5.** The points (x,y) at which both lines that represent a system intersect

**6.** Rules describing the sequence to use in evaluating expressions

**7.** Where two points meet

**8.** One equation is solved for one variable and that solution is substituted into the second equation

**9.** A linear equation in the form  $ax + by = c$  is called the \_\_\_\_\_ form of a linear equation.

**10.** A system of linear equations consists of linear equations with more than one \_\_\_\_\_.

**11.** A branch of mathematics that includes the use of variables to express rules about numbers, numbers relationships and operations

## Word Bank

infinite solutions

Linear equation

Slope Formula

No solution

system of equations

Eliminated method

Ordered pair

Inconsistent

Solution of a system

Order of operations

Standard

Intersection

Linear Inequality

Algebra

Substitution method

variable

Graphing method