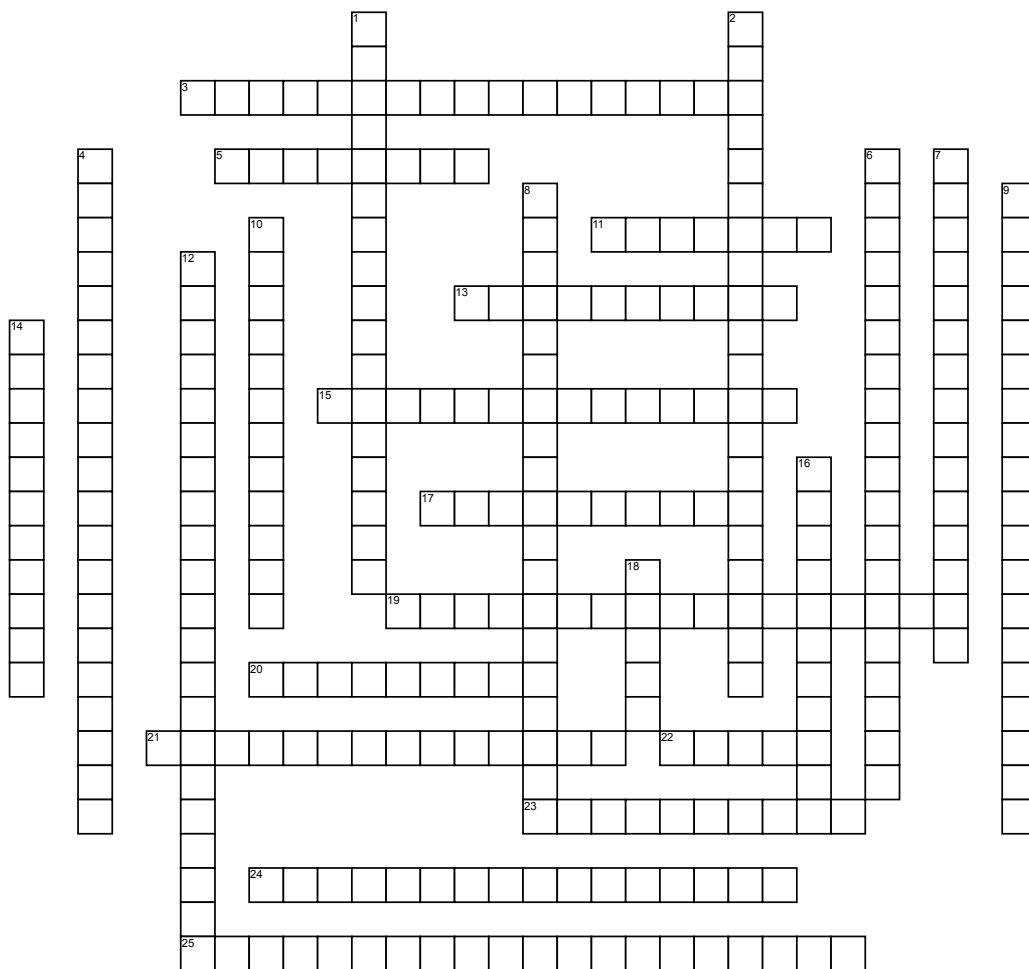


Equations and inequalities



Across

3. Opposite operations that undo each other
 5. A branch of mathematics concerned with questions of shape, size, relative position of figures, and the properties of space
 11. The study of mathematical symbols and the rules for manipulating these symbols
 13. $x + 2 > 12$
 15. Any number that can be expressed as the quotient or fraction p/q of two integers, a numerator p and a non-zero denominator q
 17. \neq
 19. PEMDAS
 20. Terms that have the same variables and powers
 21. An equation between two variables that gives a straight line when plotted on a graph

Word Bank

Additive Inverse	Equivalent Expression	Geometry	Identity Property	Associative Property
Whole numbers	Rational Number	Distributive Property	Algebraic Expression	Solution Set
Inverse Operations	Not Equal To	System of Equations	Order of Operations	Algebra
Inequality	Solve	Like Terms	Greater Than	Number Line
Isolating the Variable	Multiplicative Inverse	Linear Equation	Commutative Property	Graph

22. A picture that represents data in an organized manner or a line or curve drawn on a number line or coordinate plane by joining the points represented by certain ordered pairs

23. A number line is a picture of a graduated straight line that serves as abstraction for real numbers

24. 0 plus any number is that number and 1 multiplied by any number is that number

25. Expressions that are the same

Down

1. A collection of two or more equations involving the same set of variables

2. Tells us how to solve expressions in the form of $a(b + c)$

4. When you have an equation with one variable and you need to know the value of that variable, your task is to isolate the variable x

6. Changing the order of the operands does not change the result

7. The opposite of a number

8. An expression built up from integer constants, variables, and the algebraic operations

9. A math rule that says that the way in which factors are grouped in a multiplication problem does not change the product

10. A number without fractions

12. A number which when multiplied by x yields the multiplicative identity, 1

14. The set of all the solutions of an equation or condition

16. $>$

18. Find a solution