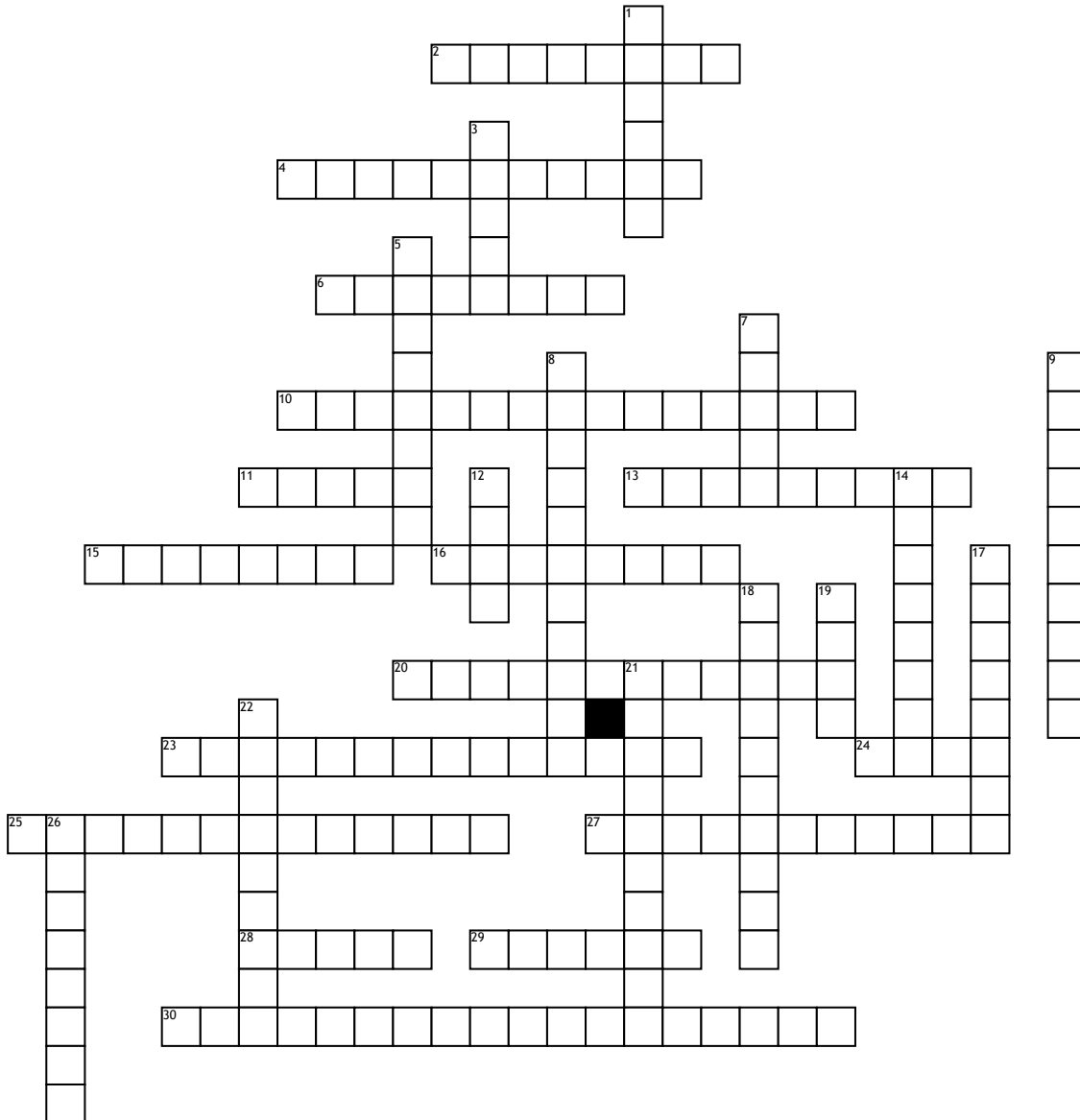


Algebra 1 Crossword



Across

2. rate in which the second quantity in the comparison is one unit. When rates are expressed as a quantity of 1, such as 2 feet per second or 5 miles per hour.
4. transformation that shifts or slides every point of a figure or graph. the process of moving something from one place to another.
6. a list of #s that often form a pattern. a particular order in which related events, movements, or things follow each other.
10. graph made up of connected lines. single unbroken curve that you could draw without lifting your pen from the paper.
11. comparison of 2 quantities by division. relation between two amounts showing the number of times one value contains
13. see x-intercepts and y-intercepts. the value of b in the equation $y=mx+b$
15. relation in which every domain value is paired with 1 range value. a relationship or expression involving one or more variables.
16. a symbol used to represent a quantity that can change. a single letter to represent something.
20. for any nonzero real number $x, x^x = 1$. any base with an exponent of zero is equal to one.
23. change in the position, size, or shape of a figure on a graph. a general term for four specific ways to manipulate the shape of a point, a line, or shape.

24. information gathered from a survey or experiment. facts and statistics collected together for reference or analysis.
25. the distance from 0 to X on a number line. the magnitude of a real number without regard to it's sign.
27. set of values that makes a statement true. the set of all the solutions of an equation or condition.
28. operated on by by any process or system. value that is substituted fro the independent variable in a function.
29. the set of all first coordinates of a relation or function. The set of values of the independent variable(s) for which a function or relation is defined.
30. degree of the term of a polynomial with the greatest degree. highest degree of monomials with non-zero coefficients.

Down

1. a # or expression that is multiplied by another #. a circumstance, fact, or influence that contributes to a result or outcome.
3. a measure of the steepness of a line. a surface of which one end or side is at a higher level than another.
5. mathematical statement the 2 expression are equal. a statement that the values of two mathematical expressions are equal (indicated by the sign =).
7. the ratio between two corresponding measurements. The ratio of the length

8. a # that is multiplied by a variable. a numerical or constant quantity placed before and multiplying the variable in an algebraic expression
9. difference in size, degree, circumstances. statement that compares two expressions by using the following: $< > =$
12. sum of all values in a data set divided by the number of data values. the average of the numbers: a calculated "central" value of a set of numbers.
14. a symmetrical open plane curve formed by the intersection of a cone with a plane parallel to its side. shape of the graph of a quadratic function.
17. a value that does not change. occurring continuously over a period of time.
18. estimate or guess about something. the action of predicting something.
19. a ratio that compares two quantities measured in different units. typically one measured against some other quantity or measure.
21. statement that 2 ratios are equal. a part, share, or number considered in comparative relation to a whole.
22. process of writing a number or algebraic expression as a product. break it up into numbers that can be multiplied together to get the original number.
26. polynomial with two terms. the sum/difference of two terms.