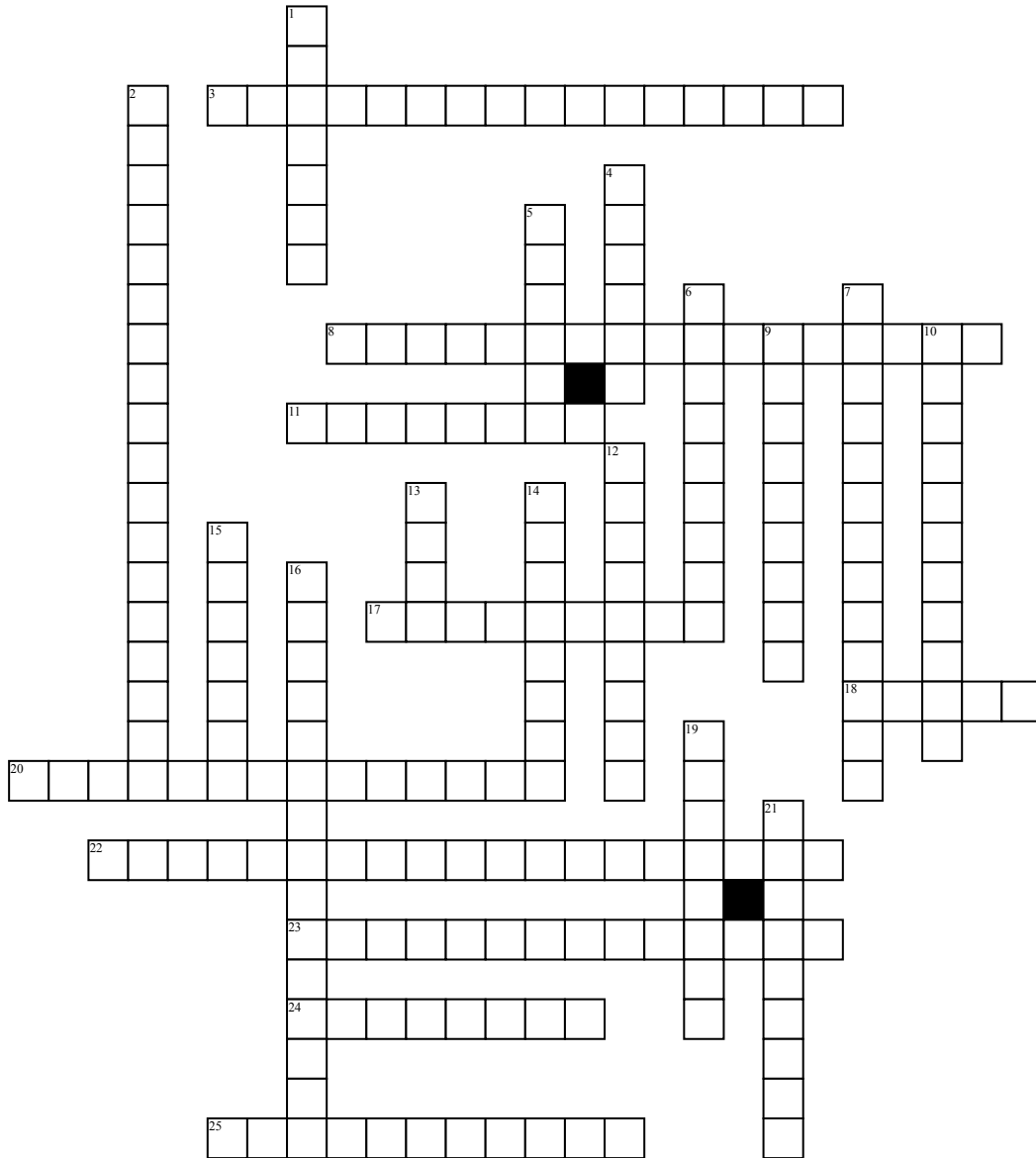


Math Criss-Cross Puzzle



Across

- 3. test by which a relation is either shown to be a function or not. hint: (graph function)
- 8. a set of numbers in which each term is created by multiplying each term by a constant
- 11. whole numbers, both positive (natural numbers) and negative, including zero
- 17. the shape of the graph that indicates a normal distribution in probability and statistics.
- 18. the set of all outputs of a function or relation.
- 20. the most basic form of an equation, e.g., $y=x$ is the parent quadratic function.
- 22. a function where the variables appear in the exponent
- 23. Two angles that share both a side and a vertex.

- 24. on a graph, the distance between one point and another, usually represented by numerical values
- 25. a function operation symbolized $(f \circ g)(x)$ that is equivalent to $f(g(x))$

Down

- 1. a statement that appears to contradict itself, suggesting a solution which is actually impossible
- 2. a set of numbers in which the difference between any two consecutive numbers is the same
- 4. the set of all inputs for which a function or relation is defined
- 5. a number that will divide into another number exactly.
- 6. a line to which the graph of a curve gets increasingly closer but never touches or crosses

- 7. a diagram where sets are represented as simple geometric figures (often circles)
- 9. the 20th and 80th percentiles of a set of data
- 10. the number multiplied times a product of variables or powers of variables in a term.
- 12. a smooth symmetrical curve with two branches produced by the section of a conical surface
- 13. the number of unique digits (including zero) that a positional numeral system uses to represent numbers.
- 14. a relation which assigns exactly one element in its range for each element in its domain
- 15. a member of, or an object in, a set.
- 16. highest point over the entire domain of a function or relation.
- 19. a polygon with five sides
- 21. a polygon with 12 sides