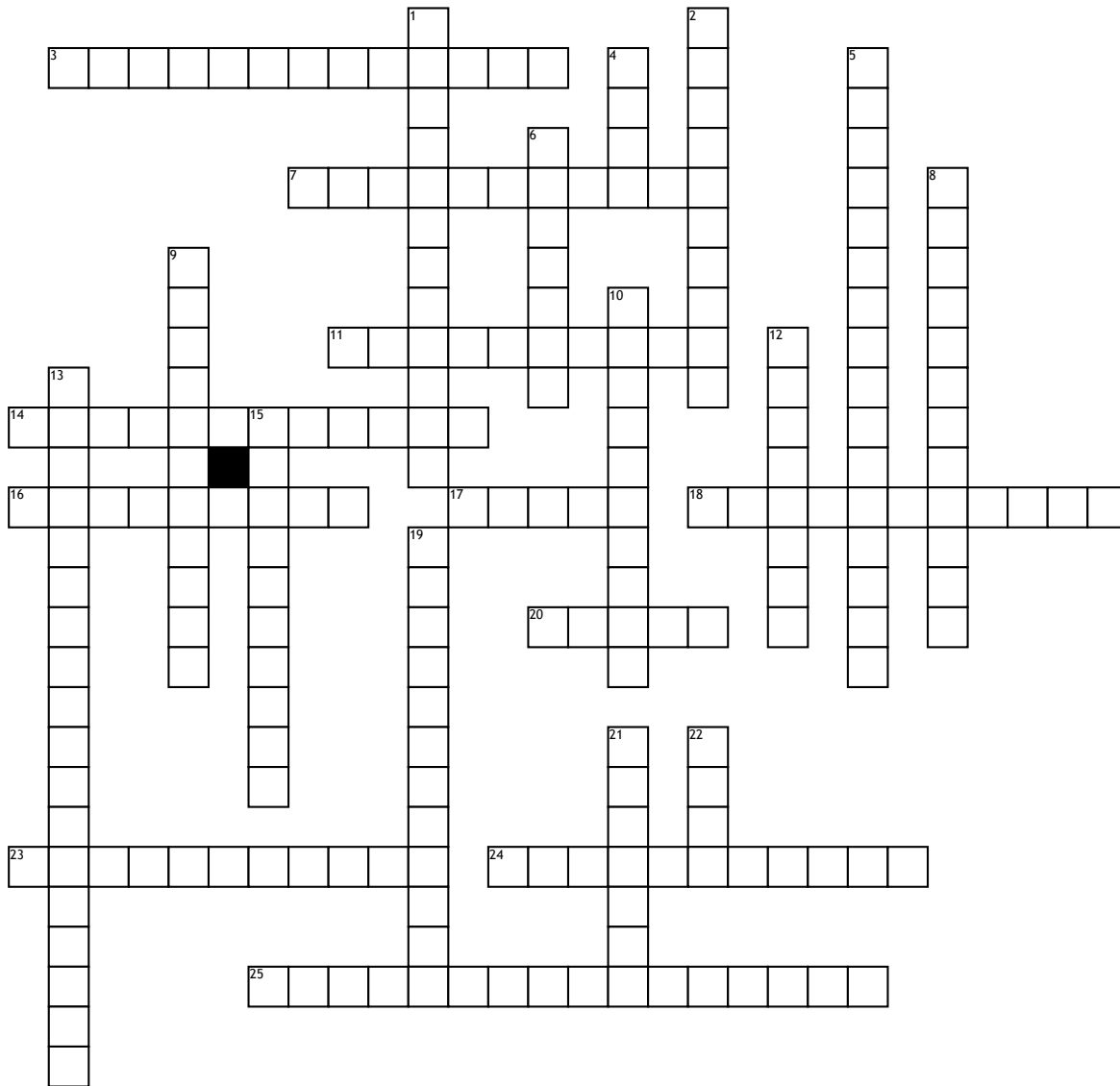


Algebra 3



Across

3. the magnitude of a real number without regard to its sign
 7. an event that is not affected by previous events
 11. a system of equations with one solution
 14. a system of equations with no solutions
 16. the value of y _____ on x
 17. the product of multiplying a number by itself
 18. expressed in terms of logarithms
 20. A diagram showing the relation between variable quantities
 23. The number in front of a variable
 24. you either add or subtract the equations to get an equation in one variable

25. Decrease in quantity

Down

1. the way a logarithm is set up
 2. $PR = (Vp1 - Vp2) / p2 \times 100$
 4. the number that is going to be raised to a power
 5. Dn/Dt
 6. The opposite of something
 8. the period of time required for a quantity to double in size or value. It is applied to population growth, inflation, resource extraction, consumption of goods
 9. of or expressed by a mathematical exponent
 10. a pair of numbers whose product is one, ex $2/3$ and $3/2$
 12. a negative or positive number, including zero

13. $A = Prt$

15. the relation between two equations that are not equal
 19. In this method, solve an equation for one variable, then substitute that solution in the other equation, and solve.
 21. a group of mathematical symbols that express a relationship or that are used to solve a problem, or a way to make something
 22. Average