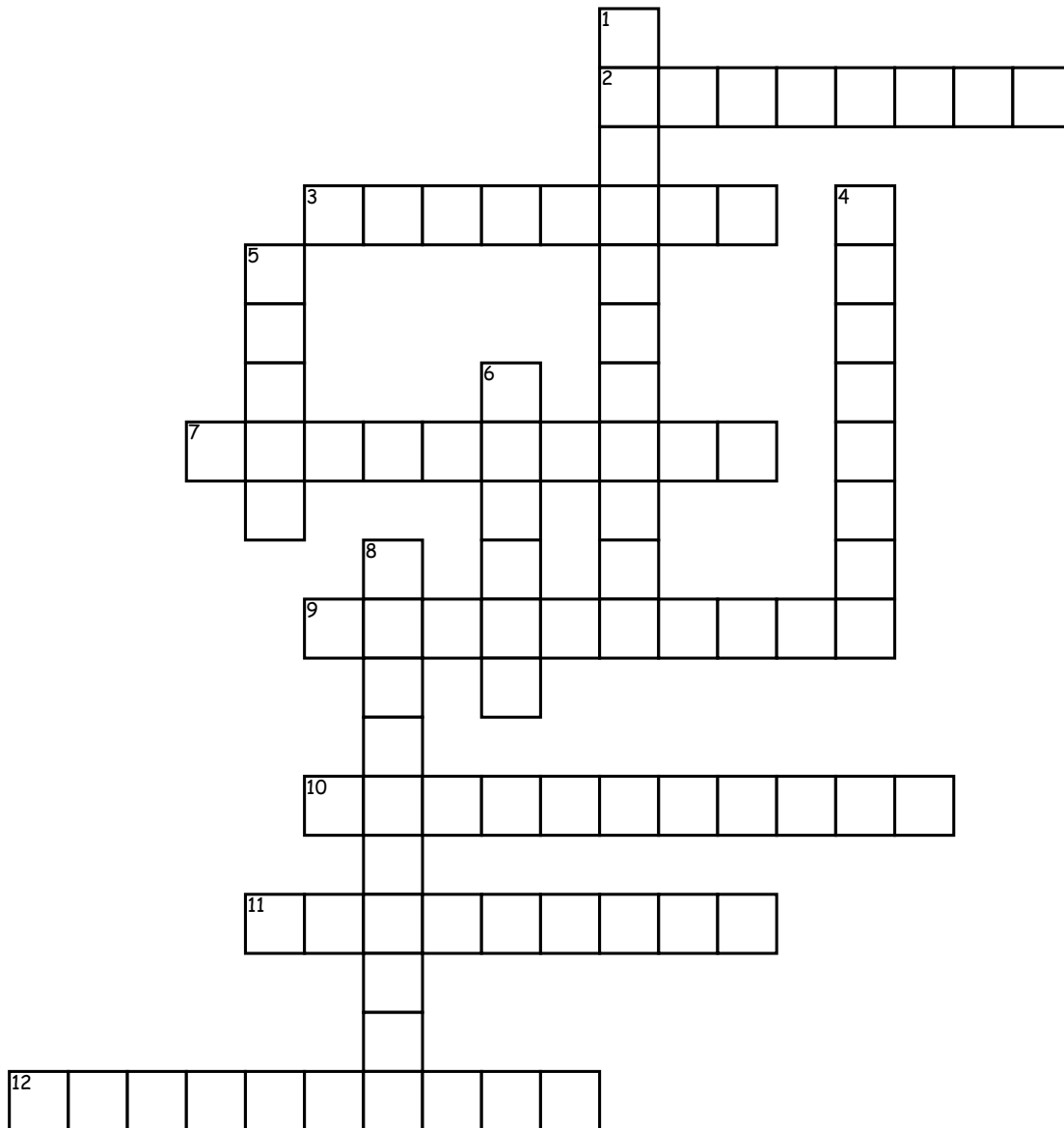


Grade 11, 12 puzzel (Exponents and functions)



Across

2. A statement formed when an equal sign is placed between two expressions

3. The expression $100r$ is the percent of _____ where r is the decay rate in the exponential decay model.

7. The product of a number and its _____ is 1

9. The x-coordinate of a point where a graph crosses the x-axis

10. The variable t in the exponential growth and decay models.

11. The variable r in the exponential growth model

12. To find the value of an expression by replacing each variable by a number is called _____ the expression.

Down

1. The expression $1 - r$ in the exponential decay model where r is the decay rate

4. The number or variable that represents the number of times the base is used as a factor

5. An expression, equation, or inequality that represents a real-life situation is a mathematical _____

6. Exponential _____ is a quantity that is increasing by the same percent in each unit of time t where C is the initial amount.

8. The y-coordinate of a point where a graph crosses the y-axis