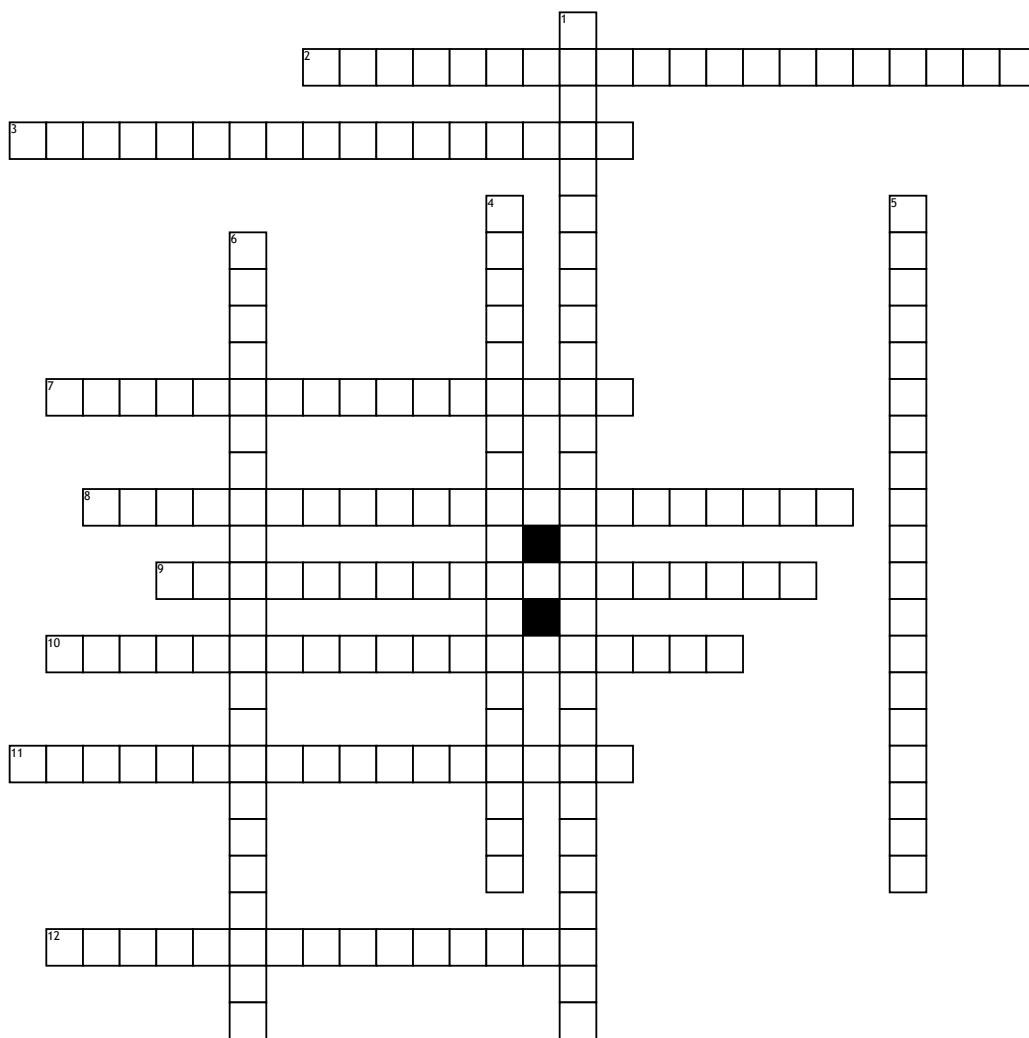


Name: _____

Properties of Numbers



Across

2. A quantity may be substituted for its equal in any expression.

3. If $x = y$, then $y = x$.

7. $a + 0 = a$

8. Another name for reciprocal

9. For any numbers a , b , and c , if $a = b$ and $b = c$, then $a = c$.

10. The way you group three or more numbers when adding or multiplying does not change their sum or product

11. Any quantity is equal to itself

12. $5 + (-5) = 0$

Down

1. $8 \cdot (0) = 0$

4. $5 \cdot 4 \cdot 3 = 5 \cdot 3 \cdot 4$

5. $x + y = y + x$

6. For any number x , the product of x and 1 is x .

Word Bank

additive identity

commutative property

reflexive property

multiplicative property of zero

substitution property

commutative property

transitive property

multiplicative inverse

additive inverse

associative property

multiplicative identity

symmetric property