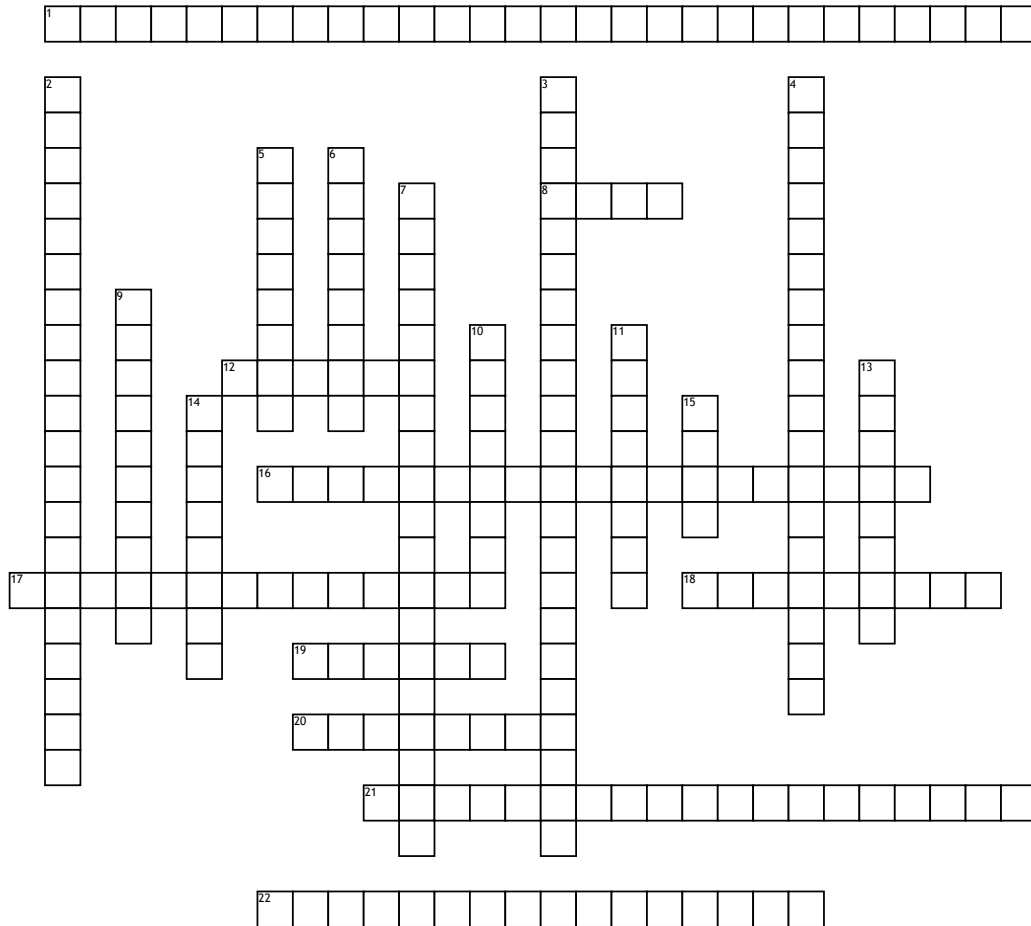


# Expressions - Chapter 5 Grade 7



**Across**

- 1. When any number is multiplied by 0, the product is 0.
- 8. When addition or subtraction signs separate an algebraic expression into parts, each part is called a \_\_\_\_\_.
- 12. A number that is written as a product of its factors.
- 16. The way in which numbers are grouped when they are added or multiplied does not change the sum or product.
- 17. An example that shows that a conjecture is false.
- 18. \_\_\_\_\_ contain the same variables to the same powers.
- 19. An algebraic expression in which the variable is raised to the first power.

**20. A term without a variable.**

- 21. The order in which numbers are added or multiplied does not change the sum or product.
  - 22. When zero is added to any number, the sum is the number.
- Down**
- 2. Multiply each term inside the parentheses by the number outside the parentheses.
  - 3. When any number is multiplied by 1, the product is the number.
  - 4. Each term is found by adding the same number to the previous term.
  - 5. A number, a variable, or a product of a number and one or more variables.
  - 6. A statement that is true for any number.

**7. An expression that contains variables, numbers, and at least one operation.**

- 9. The expressions  $2(x + 2)$  and  $2x + 4$  are \_\_\_\_\_ expressions. No matter what  $x$  is, these expressions have the same value.
- 10. A symbol that represents an unknown quantity
- 11. An ordered list of numbers
- 13. A linear expression is in \_\_\_\_\_ form when it is expressed as the product of its factors.
- 14. An algebraic expression that has no like terms and no parentheses is in \_\_\_\_\_ form.
- 15. Each number in a sequence.

**Word Bank**

- |                                 |                      |                      |                         |
|---------------------------------|----------------------|----------------------|-------------------------|
| Multiplicative Property of Zero | term                 | property             | Commutative Property    |
| constant                        | equivalent           | Like terms           | Multiplicative Identity |
| Distributive Property           | Associative Property | term                 | arithmetic sequence     |
| linear                          | counterexample       | variable             | Additive Identity       |
| monomial                        | sequence             | algebraic expression | factored                |
| simplest                        | factor               |                      |                         |