Vocabulary: Equivalent Algebraic Expressions 2

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**Vocabulary**

* Algebraic expression – an expression that contains numbers, variables, and operators.
* Associative – when values connected by two identical operators give the same result, regardless of how they are grouped.
  + Addition is associative because (a + b) + c and a + (b + c) are equivalent expressions.
* Commutative – when values connected by an operator give the same result, regardless of the order of the values.
  + Multiplication is commutative because a • b and b • a are equivalent expressions.
* Distributive – when an operator performed on two separate values gives the same result as the operator performed on the values combined.
  + Multiplication is distributive because a(b + c) and ab + ac are equivalent expressions.
* Equivalent expressions – expressions that are always equal, regardless of the values assigned to any variables.