## KEY CONCEPT

## Terms and Coefficients

In an expression that can be written as a sum, the parts added together are called terms.

A term that has a variable part is called a variable term. A term that has no variable part is called a constant term.


When a term is a product of a number and a power of a variable, the number is called the coefficient of the power.

SIMPLIFYING An expression is simplified if it contains no grouping symbols and all like terms are combined. Like terms are terms that have the same variable parts. (Constant terms are also considered like terms.) The distributive property allows you to combine like terms by adding coefficients.

## EXAMPLE 4 Simplify by combining like terms

a. $8 x+3 x=(8+3) x \quad$ Distributive property

$$
=11 x \quad \text { Add coefficients. }
$$

## AVOID ERRORS

 The terms $3 p^{2}$ and $p$ are not like terms. They use the same variable but different exponents, so the terms cannot be combined.