NAME
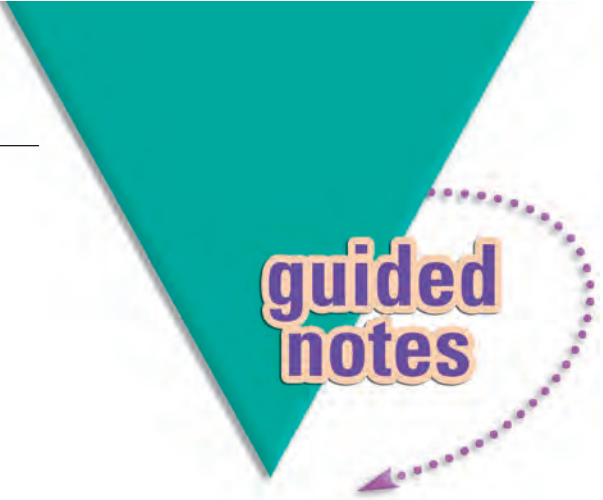
Module 2 Writing and Simplifying Algebraic Expressions

Lesson 2 Translating Word Phrases into Algebraic Expressions

Lesson Objective

• Write word phrases as algebraic expressions.

Fill in the chart with the commonly used word phrases for each operation as discussed in the lesson.

Addition	Subtraction	Multiplication	Division
sum	minus	times	the quotient of
increased by	subtracted from	product	divided by
plus	decreased by	multiplied by	
more than	the difference of	double	
added to	less than	triple	
the total of			

Squared means "to the **second** power."

Cubed means "to the **third** power."

Write an algebraic expression for the following phrases.

1 twelve more than a number **$m + 12$**

2 5 less than a number j **$j - 5$**

3 3 times a number y **$3y$**

4 a number x divided by −100 **$x \div (-100)$ or $\frac{x}{-100}$**

Write an algebraic expression for the following phrases.

5 the square of k decreased by 7 **$k^2 - 7$**

6 4 times 2 plus 7 **$4 \cdot 2 + 7$**

7 5 times the sum of a number and 2 **$5(r + 2)$**