a number.

MAIN IDEA

 Evaluate algebraic expressions.

BUILD YOUR VOCABULARY (pages 2-3)

Algebra is a language of

A variable is a usually a letter, used to represent

Algebraic expressions are combinations of

, and at least one

To evaluate an algebraic expression means to find the of the expression. You can find the value after you replace the variables with

EXAMPLES Evaluate Algebraic Expressions

FOLDABLES

ORGANIZE IT

On the Lesson 1-5 tab, explain variable and algebraic expression. Then explain what steps you take before evaluating an algebraic expression.



12 Evaluate
$$p - q$$
 if $p = 14$ and $q = 13$.

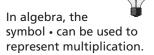
$$p-q = \boxed{ }$$
 Replace p with $\boxed{ }$ and q with $\boxed{ }$

$$2x + 3 = \boxed{}$$

$$= \boxed{}$$

$$= \boxed{}$$

Replace	with	



$$3 \cdot 4 = 3 \times 4$$

A number and a letter, or two letters can be written together without a multiplication symbol.

$$2t = 2 \times t$$
 $st = s \times t$

Check Your Progress

a. Evaluate m + 9 if m = 25.

b. Evaluate x - y if x = 22 and y = 17.

c. Evaluate 7 + 3w if w = 6.

EXAMPLE

TEST EXAMPLE The amount of money Sabrina will need to pay for 5 binders using a \$2 coupon can be represented by the expression 5x - 2, where x is the cost of each binder. Find the amount of her purchase if each binder is \$4.

A \$2

B \$18

C \$20

D \$40

Read the Item

You need to find the value of the expression given x = \$4.

Solve the Item

$$5x - 2 = \boxed{}$$

Replace

ith	

The amount of Sabrina's purchase is



The answer is

HOMEWORK ASSIGNMENT

Page(s):

Exercises:

Check Your Progress

MULTIPLE CHOICE Find the

value of the expression $5 \cdot 3 + 4g$ if g = 2.

F 11

G 19

J 38