Name _____ Class _____ Date _____

# Reteaching 2-1

## Evaluating and Writing Algebraic Expressions

To evaluate an *expression*, substitute a value for the *variable* and compute.

Evaluate $5y - 8$ for $y = 7$.

$5y - 8$

$5 \times 7 - 8$ ← **Substitute y with 7.**

$35 - 8 = 27$ ← **Compute.**

You can use key words to write a word phrase for an algebraic expression.

| | | |
|---|---|---|
| $a + 5$ | → | $a$ plus 5 |
| | or | $a$ increased by 5 |
| $2n$ | → | the product of 2 and $n$ |
| | or | 2 times $n$ |

**Evaluate each expression using the values $m = 3$ and $x = 8$.**

**1.** $4m + 9$
Substitute $m$: $4 \times$ _____ $+ 9$

Compute: _____ $+ 9 =$ _____

**2.** $4x - 7$
Substitute $x$: $4 \times$ _____ $- 7$

Compute: _____ $- 7 =$ _____

**3.** $5x + x$
Substitute $x$: $5 \times$ _____ $+$ _____

Compute: _____ $+$ _____ $=$ _____

**4.** $x + 2m$
Substitute $x$ and $m$: _____ $+ 2 \times$ _____

Compute: _____ $+$ _____ $=$ _____

**Evaluate each expression using the values $y = 4$, $z = 8$, and $p = 10$.**

**5.** $3y + 6 =$ _____

**6.** $4z - 2 =$ _____

**7.** $p + 2p =$ _____

**8.** $3z \times z =$ _____

**Write a word phrase for each algebraic expression.**

**9.** $9 + x$

_____

**10.** $6x$

_____

**11.** $x - 8$

_____

**12.** $\frac{x}{5}$

_____

**Write an algebraic expression for each word phrase.**

**13.** $x$ newspapers plus 10

_____

**14.** 4 less than $x$ teabags

_____

**15.** 3 more than $x$ envelopes

_____

**16.** 6 times $x$ school buses

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