

**3.4**

# **Distributive Property**

# Mental Multiplication

How would mentally multiply the following?

$$7 \times 14$$

# Mental Multiplication

2) Multiply the following mentally. Afterwards, check by showing work.

$$8 \times 53$$

# Mental Multiplication

3) Multiply the following mentally. Afterwards, check by showing work.

$$5 \times 41$$

# Mental Multiplication

4) Multiply the following mentally. Afterwards, check by showing work.

$$6(37)$$

# Mental Multiplication

5) Multiply the following mentally. Afterwards, check by showing work.

$$\frac{1}{2} \times 2\frac{3}{4}$$

# Simplifying Algebraic Expressions

- 1) Use the **Distributive Property** to simplify the expression.

$$4(\boldsymbol{n} + 5)$$

# Simplifying Algebraic Expressions

2) Use the **Distributive Property** to simplify the expression.

$$12(2y - 3)$$



# Simplifying Algebraic Expressions

2) Use the **Distributive Property** to simplify the expression.

$$9(6 + x + 2)$$

## Practice

Use the **Distributive Property** to simplify the expression.

$$a) \ 7(a + 2)$$

$$b) \ 3(d - 11)$$

$$c) \ 7(2 + 6 - 4d)$$