

2-2 The Distributive Property



Please read Pages 73-75 and complete the Quick Checks 1-5.

Today's Vocabulary:

Distributive Property

Using the Distributive Property I:

Use the Distributive Property to find $15(110)$ mentally.

$$15(100+10)$$
$$1500+150$$

Real-World Problem Solving:

Mr. Franklin gave 5 erasers to each of his 37 students in his Period 1 class and he gave 5 erasers to each of his 32 students in his Period 2 class. How many erasers did he give away?

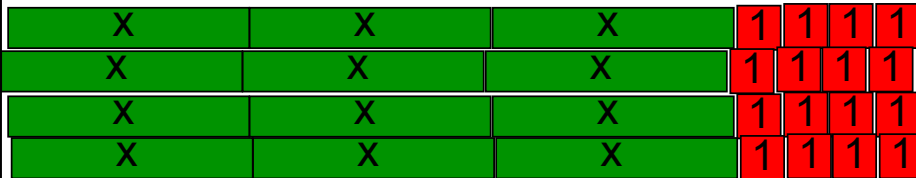
Using the Distributive Property II:

Simplify $11(23) + 11(7) =$

Using Tiles to Multiply:

Use algebra tiles to multiply

$$4(3x - 4) \quad 12x - 16$$

$$12x - 16$$

Using the Distributive Property III:

Multiply:

$$2a(3a+6y)$$

$$6a^2 + 12ay$$

a. $-9(2 - 8y) =$

$$-18 \quad +72y$$

b. $(5m + 6)11 =$

$$66 + 55m$$

$$55m + 66$$

Assignment:

Pages 76-77: #'s 1-47 odds.