

Lesson 3b: Distributive Property

Objective: Use the distributive property to multiply

Complete on a separate sheet of paper and turn in to the basket.

Warm-up: Evaluate each expression when $n = 6$

1. $N + 9 =$
2. $20 + n =$
3. $12 - n =$
4. $n - 2 =$

Write an expression for each.

5. The product of 8 and a number
6. A number divided by 10

Evaluate each expression, given $f = 9$, $g = 5$, and $t = 0$.

7. $F \times t$
8. $(f \times g) \times 2$

Vocabulary: Property of Multiplication

Distributive Property – When you multiply the sum of two or more addends by a factor, the product is the same as if you multiplied each addend by the factor and then added the products.

$$a. \quad a(b + c) = (a \times b) + (a \times c)$$

Example: $5 \times 16 =$

$$5 \times (10 + 6) =$$

$$(5 \times 10) + (5 \times 6) = \text{this equals the partial products}$$

$$50 + 30 = 80$$

Watch Brainpop Video: distributive property
PowerPoint presentation – Distributive property.

App on the iPad: Math drills - multiplication



Homework: 3.2