

The Distributive Property

Lesson 6-14

Name:

Date:

Class:



TODAY'S OBJECTIVES

Content Objective: I can use the distributive property to expand and factor expressions.

Language Objective: I can explain my steps using the words distributive property, factor, expand, and equivalent.



See **Learn It** for the explanation and worked examples, and the **Vocab** tab for the words. These are your notes to fill in and keep.



Fill in each blank as we go. Use the Word Bank to help you.



WORD BANK — FILL EACH BLANK WITH THE BEST WORD

The Distributive Property

Distributive Property

Factor

Expand

Equivalent

Coefficient

Like terms



Tap any word to see what it means and a picture.

1

$a(b + c) = ab +$ $-$ the factor reaches
 term.

2

The rule that $a(b + c) = ab + ac$ is the .

3

To rewrite a sum as a product, like $3x + 12 = 3(x + 4)$, is to
 .

4

To multiply out a product over a sum, like $3(x + 4) = 3x + 12$, is to
 .

5

Two expressions that always have the same value are
 .

6 A number multiplied by a variable is a .

7 Terms with the same variable part are .

Write About the Math

Use the distributive property to find the total cost. Which way of calculating is easier for you?

Usa la propiedad distributiva para hallar el costo total. ¿Qué manera de calcular te resulta más fácil?

Say your answer to a partner first. Then write it, using at least two of these words:

☐ **The Distributive Property**
La propiedad distributiva

☐ **Distributive Property**
Propiedad distributiva

☐ **Factor**
Factor

☐ **Expand**
Desarrollar

☐ **Equivalent**
Equivalente

Model: *The distributive property multiplies the 3 by each item, giving the same total.* — Students explain the 3 distributes to both the ticket and the snack ($3 \times 15 + 3 \times 5 = 45 + 15 = 60$), matching 3×20 , and use the word equivalent.

Start

Complete the frames. Use the word bank.

Completa las oraciones. Usa el banco de palabras.

- $8(12 + 9) = 8 \times \underline{\quad} + 8 \times \underline{\quad} = \underline{\quad} + \underline{\quad} = \underline{\quad}$. I think the $\underline{\quad}$ form is easier because $\underline{\quad}$.
 - My answer is $\underline{\quad}$ because $\underline{\quad}$.
Mi respuesta es $\underline{\quad}$ porque $\underline{\quad}$.
-
-

Build

Write two connected sentences. Use because, so, or but.

Escribe dos oraciones conectadas. Usa porque, entonces o pero.

- My claim is $\underline{\quad}$.
Mi afirmación es $\underline{\quad}$.
- My evidence is $\underline{\quad}$, so $\underline{\quad}$.

Mi evidencia es _____, entonces _____.

Explain

Write a claim, give math evidence, and explain your reasoning.

Escribe una afirmación, da evidencia matemática y explica tu razonamiento.

☐ I answered the question.

☐ I used math evidence: numbers, an equation, or a model.

☐ I used at least two math words.