# The Distributive Property

Multiply a number by every term inside parentheses to write an equal expression.

**Name** _____ **Date** _____

## Tonight's spark

A concert bundle is a $15 ticket plus a $5 snack. Three friends each buy one. Ana adds 15 + 5, then multiplies by 3. Ben does 3 × 15 and 3 × 5, then adds. Whose total is right?

**Guess first: more or less than $50? Will Ana and Ben agree?**




**Our class model: share the outside number**

## Try it

Work it out on paper. Write one answer on each line.

**1** **What is 4(3 + 2)? Add inside the parentheses first.**

**A.** 14 **B.** 20 **C.** 9 **D.** 24

**My answer** _____

**2** **Which expression is equal to 5(6 + 4)?**

**A.** 5 × 6 + 4 **B.** 5 + 6 × 4 **C.** 6 + 5 × 4 **D.** 5 × 6 + 5 × 4

**My answer** _____

**3** **Expand 6(n + 2).**

**A.** 6n + 12 **B.** 6n + 2 **C.** n + 12 **D.** 8n

**My answer** _____

**4** **Expand 3(x – 5).**

**A.** 3x – 5 **B.** 3x + 15 **C.** 3x – 15 **D.** x – 15

**My answer** _____

**5** **A rectangle is 4 units tall. Its width is split into a part 7 units wide and a part 2 units wide. What is the total area?**

**A.** 30 square units **B.** 36 square units **C.** 13 square units

**My answer** _____

**6** **Complete: 12 + 20 = 4(3 + ___)**

**A.** 20 **B.** 8 **C.** 16 **D.** 5

**My answer** _____

### Talk about it

What does the 3 count in this problem?

### Home mission

Pretend you are buying 3 concert bundles: a $15 ticket and a $5 snack each. Can your student say the total two ways out loud? Then pick two prices on a receipt and try 2 bundles.

### If we get stuck, ask

- Did the outside number reach both parts inside the parentheses?
- Let's draw an arrow from the outside number to each part.
- Let's try adding inside first and check if we get the same answer.

**Do it on a screen**

Scan or type the link. Same lesson, with hints.

**eduwonderlab.com/lessons/6-14/homework.html**

**How did it feel? (optional)**

Tricky Getting there Got it