Christina Karklin

The Distributive Property

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Goal: The students will understand the concept of the distributive property.

Objective: Given *Distributive Property at the Movies!* worksheet, the students will work in groups of 2-3 to create expressions involving the distributive property and evaluate them correctly with 85% accuracy.

Definition: The **distributive property** lets you multiply a sum by multiplying each addend separately and then add the products.

a(b+c)=ab+ac

**Distributive Property at the Movies!!!**

|  |  |
| --- | --- |
| **Combo 1****Image result for movie popcornImage result for movie sodaImage result for movie soda** | **Combo 2**Image result for movie popcorn**Image result for movie soda         Related image** |
| **Combo 3** **Image result for movie sodaImage result for hot dog Image result for movie nachos** | **Combo 4****Image result for movie sodaImage result for movie soda**Image result for movie popcornImage result for sour patch kids |

**Popcorn=P Coca-Cola=C  Sour Patch Kids=S  Hotdog=H Nachos=N Twizzlers=T**

**Example 1: I would like 2 of Combo 1, please.**

**Step 1**: Look at how many of each item are in the combo and write this in parentheses using addition to separate the items.

In Combo 1, there’s 1 popcorn and 2 Coca-Cola’s.

(1P+2C)

**Step 2**: Put how many of that combo you would like to order in front of the parentheses.

**2**(1P+2C)

**Step 3**: Draw arrows to show the distributive property.



**Step 4**: Multiply to find the solution.

2x1P=2P +  2x2C=4C

2P+4C

**Step 5**: Write a sentence.

I will have a total of 2 popcorns and 4 Coca-Colas.

**Example 2: I would like 3 of Combo 3, please.**

**Example 3: I would like 3 of Combo 4, please.**

**Example 4: I would like 3 of Combo 1, please.**

**Example 5: I would like 4 of Combo 2, please.**

**Example 6: I would like 2 of Combo 4, please.**

**Example 7: I would like 3 of Combo 2, please.**

References:

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