



Mrs. Doolan - Mr. Millard - Mr. Sangha

DAY 6 - Menu Math 3

Food:



Hamburger \$3.50

Cheeseburger \$4.00



Garden salad \$3.00

Sides:

French Fries..... \$3.00

Potato chips \$0.50

Yogurt..... \$2.25

Apple Slices..... \$0.75

Brownie \$1.25

Drinks:

Soda..... \$1.00

Lemonade \$1.50

Milk \$1.75



Combo Meals:

#1 Hamburger, P chips & Soda..... \$4.50

#2 Cheeseburger, P chips & Soda.. \$5.00

#3 G salad, P chips & Soda..... \$4.00

★ milk or lemonade add \$0.50

★ substitute fries for an additional \$2



You can use the Distributive property to simplify or re-write products of sums.

Consider Order 1:

I would like 2 #1 combos, a #2 combo, and 2 #3 combos with milk.

Let's write an expression using parentheses and then find the expanded expression using the **Distributive Property**: (no evaluating needed)

ORDER: 2 #1's, 1 #2, 2 #3 w/milk

$$2(H+P+S) + 1(C+P+S) + 2(G+P+M)$$

$$2H + 2P + 2S + C + P + S + 2G + 2P + 2M$$

invisible combining Step

$$2H + 2P + P + 2P + 2S + S + C + 2G + 2M$$

$$\boxed{2H + 5P + 3S + C + 2G + 2M}$$

expanded terms - Combined!



Write an expression using parentheses, expand using the **Distributive Property**, and then simplify the expression to model each order.

Order 2:

I would like 3 #1 combos , 2 #2 combos, and a #3 combo.

Order 3:

I would like 2 #1 combos , 2 #2 combos with fries, and a #2 combo with potato chips, and 3 #3 combos with lemonade.

Order 4:

I would like a #1 combo with fries , 3 #2 combos with fries, a #2 combo with lemonade, 2 #3 combos with fries and 1 #3 combo with milk.

BONUS Questions - Do as many as you want!

B1: What would be the MOST EXPENSIVE meal you can make on the menu?

B2: What combo meal would SAVE YOU the most money? How much would you save?

B3: Take orders from your family. Can you write the total order as a simplified expression and figure out the final cost?

Assuming
1 food item,
side, and drink
(No GLUTEN)

