Distance Learning 2020

Math



Mrs. Doolan - Mr. Millard - Mr. Sangha

DAY 6 - Menu Math 3 Use FIRST LETTERS to represent each item.

Food:

Hamburger \$3.50

Soda..... \$1.00

Cheeseburger \$4.00

Lemonade \$1.50

Garden salad \$3.00

\$3.00

\$0.50

\$2.25

\$0.75

French Fries.....

Potato chips

Yogurt.....

Apple Slices.....

Brownie



Sides:

Combo Meals:

Drinks:

H F

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

LOOK HERE FOR COMBO OFFERS # 1-4

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

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

M

★ 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#15, 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

Step 300 2H + 2P+P+2P+2S+S+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.

3(H+P+S) + 2(C+P+S) + 1(G+P+S)
3H+3P+3S+2C+2P+2S+6+P+S

3H+ 2C+ G+6P+65

3 hamburgers, 2 cheeseburgers, 1 salad, 6 chips, 6 sodes

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. 2(H+P+S)+2(C+F+S)+1(C+P+S)+3(G+P+L)

2H+2P+2S+2C+2F+2S+C+P+5+3G+3P+3L

2H+3C+3G+6P+55+2F+3L

2 hamburgers, 3 cheeseburgers, 3 scheds, 6 chips, 5 sodas 2 fries, and 3 lemonades

Order 4:

1(H+F+5)+3(C+F+5)+1(C+P+L)+2(G+F+5)+1(G+P+M)

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. H+F+5+3C+3F+35+C+P+L+2G+2F+25+G+P+M

H+ 4C+3G+2P+6S+6F+L+M

Thamburger, 4 cheese surgers, 3 salads, 2 chips, 6 sadas, 6 fries, Tlemanade, 1 milk

BONUS Questions - Do as many as you want!

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

1? C,Y,M 8\$

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

See work All Basic Combos save \$0.50.

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

Answers Vary.



B) The most	expensive M	eal would	C + Y+ M
	Most expensive		4+2.25+1.75
	Not make		4.00
Meal.			2.25 (48 B) 1.75
	ger, yogurt c	and milk	8.00
	J''' J		
		will save you	
(B2) <u>C*1</u>		<u>C#2</u>	C#3
H+ P+5		C+P+S	G+P+S
		THE MOST	
Comb # 2's	C+P+S = 5	5 C+1	F+M=\$7.50
REAL	3 + 0.50 + 1	3+3	3 + 1.75
PRILES	: \$4.50		7.75
	\$ 0.50 saved		25 saved
You actually saw	the mut on	ALL 3 Basic (imbos [60.50]
(B3) Let me	know if you	do Bono	راناً، 3 ديا