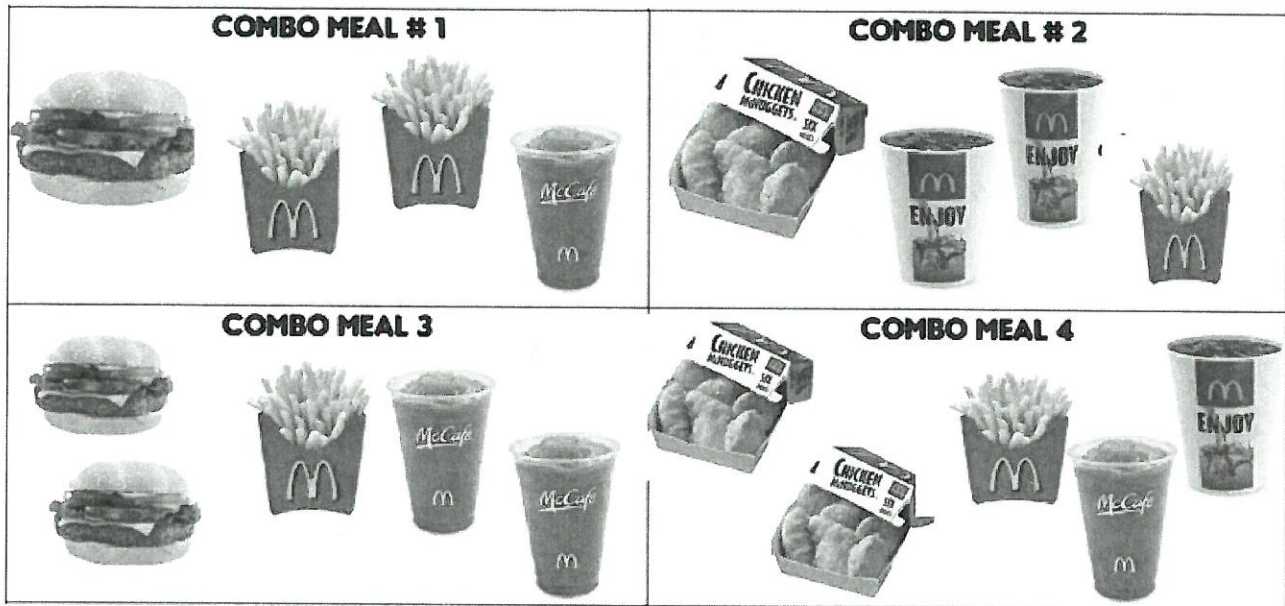


DISTRIBUTIVE PROPERTY COMBO MEALS**LET'S BUY SOME COMBO MEALS!****Burger = b****Fries = f****Coke = c****McCafe = m****EXAMPLE: I'd like to buy 2 of Combo Meal #1 please!**

$$2(1b + 2f + 1m) = (2 \cdot 1b) + (2 \cdot 2f) + (2 \cdot 1m) = 2b + 4f + 2m$$

\uparrow
 2 combos
 \uparrow
 1 burger
 \uparrow
 2 fries
 \uparrow
 1 McCafe

Now distribute the 2 to each set of items you are buying. You will show this by multiplying the number of times you are getting each item set. (For example you are ordering two fries 2 times.)

Show the total number of each item set you bought. Multiply the outside number with each inside number.

1. I'd like to buy 3 of combo meal #2 please!

$$\underline{3} (\underline{1n} + \underline{2c} + \underline{1f}) = (\underline{3} \cdot \underline{1n}) + (\underline{3} \cdot \underline{2c}) + (\underline{3} \cdot \underline{1f}) = \underline{3n} + \underline{6c} + \underline{3f}$$

2. I'd like to buy 2 of combo meal #3 please!

$$\underline{2} (\underline{2b} + \underline{1f} + \underline{2m}) = (\underline{2} \cdot \underline{2b}) + (\underline{2} \cdot \underline{1f}) + (\underline{2} \cdot \underline{2m}) = \underline{4b} + \underline{2f} + \underline{4m}$$

3. I'd like to buy 3 of combo meal #4 please!

$$3(2n + 1f + 1m + 1c) = (3 \cdot 2n) + (3 \cdot 1f) + (3 \cdot 1m) + (3 \cdot 1c) = 6n + 3f + 3m + 3c$$

4. I'd like to buy 4 of combo meal # 1 please! (Student Choice)

$$4(1b + 2f + 1m) = (4 \cdot 1b) + (4 \cdot 2f) + (4 \cdot 1m) = 4b + 8f + 4m$$

5. I'd like to buy 7 of combo meal # 3 please! (Student Choice)

$$7(2b + 1f + 2m) = (7 \cdot 2b) + (7 \cdot 1f) + (7 \cdot 2m) = 14b + 7f + 14m$$

HOMEWORK

A. I'd like to buy 4 of combo meal #2 please!

$$4(1n + 2c + 1f) = (4 \cdot 1n) + (4 \cdot 2c) + (4 \cdot 1f) = 4n + 8c + 4f$$

B. I'd like to buy 6 of combo meal # 3 please! (Create one not done in class)

$$6(2b + 1f + 2m) = (6 \cdot 2b) + (6 \cdot 1f) + (6 \cdot 2m) = 12b + 6f + 12m$$

C. CHALLENGE: Create one equation showing the distributive property where you buy 2 of combo meal #3 and #4.

$$2(2b + 2n + 2f + 3m + 1c) = (2 \cdot 2b) + (2 \cdot 2n) + (2 \cdot 2f) + (2 \cdot 3m) + (2 \cdot 1c) = 4b + 4n + 4f + 6m + 2c$$