Order of Operations WS 1-3

Brenda is buying some items from the store. She has a list, and while she is shopping, she writes the cost of the items on her list.

2 gallons of milk - $2.85 each

1 loaf of bread - $1.55 each

3 packages of sandwich meat - $2.25 each

4 tomatoes – 4 for $1

 What will be the total of the

items?

 Explain your process:

Which of the following expressions could be used to find the total cost of the items? Circle all that apply.

 A. 2.85 + 2.85 + 1.55 + 2.25 + 2.25 + 2.25 + 1.00

1. 2(2.85) + 1.55 + 3(2.25) + 1.00
2. 2(2.85 + 1.55) + 3(2.25 + 1.00)
3. 2  2.85 + 1.55 + 3 2.25 + 1.00

Which operation will you do first? Addition or Multiplication? Why?

The Drama Club is ordering t-shirts. The t-shirt company is charging a $75 fee for designing the shirts, and then $20 per shirt. To find the cost, c, of 35 shirts, they can use the following equation:



Brian and Laurel calculated the cost differently. Brian thinks the total cost will be $3325 and Laurel thinks the total cost will be $775.

Laurel



Brian



 Who is right? Why?

**Evaluate:** 

 A. 3 B. 8 C. 24 D. 27

**Evaluate:** 

 A. 2.5 B. 8 C. 20 D. 26

**Evaluate the following:**

1. $16+2^{2}÷4$ 2. $\left(16+2^{2}\right)÷4$

3. $\left(16+2\right)^{2}÷4$ 4. $16+ \left(2^{2}÷4\right)$

5. $\frac{16+2^{2}}{4}$

6. Problems 1-5 all use the same numbers, but they each have different answers. Why?