1. Margo and Jeremy each have *x* baseball cards. They put some of their baseball cards in one album. Then, a friend gave them 8 more baseball cards to complete the album. Margo and Jeremy then filled two more albums with the same number of baseball cards as in the first album.

   Which expression best represents the total number of baseball cards in all three albums?

   A. $2(2x) + 8$ **B.** $3(2x) + 8$ **C.** $2(2x + 8)$ **D.** $3(2x + 8)$

2. Curtis earns $13 per hour. He receives a pay raise of 7%. Which expression will calculate the amount Curtis earns per hour after his raise?

   A. $13 + 0.07$ **B.** $13 + 1.07$ **C.** $13(0.07)$ **D.** $13(1.07)$

3. A lawn mower is on sale for $284.99 before sales tax. Georgia state sales tax is 4%. Which equation could be used to find the total cost (*c*) of the mower?

   A. $0.04c = 284.99$ **C.** $0.04c(284.99) = c$

   B. $1.04c = 284.99$ **D.** $1.04(284.99) = c$

4. Jenna buys a book for $12 and a DVD for $15. DVD's are on sale for 20% off. Sales tax is 7%. Which expression will calculate the total cost of Jenna's purchases?

   A. $12 + 15 - 0.80 + 1.07$ **C.** $(12 + 15)(0.80)(1.07)$

   B. $12 + 15(0.80)(1.07)$ **D.** $(12 + 15 \bullet 0.80)(1.07)$

5. The cost of a Midnight Madness movie ticket, *c*, is reduced by 2/5 of the original cost, to a cost of 3/5c. Which expression is equivalent to the new cost?

   A. $1 - \dfrac{3}{5}c$ **B.** $c - \dfrac{3}{5}c$ **C.** $1 - \dfrac{2}{5}c$ **D.** $c - \dfrac{2}{5}c$

6. Ingrid is buying a pair of pants with an original cost of *c* dollars. The pants are on sale for 15% off their original cost. Which two calculations could Ingrid perform in order to find the amount she needs to spend?

   A. $c + 0.15c$ and $1.15c$ **B.** $C + 0.15c$ and $1.15c$ **C.** $C - 0.15c$ and $0.85c$ **D.** $C - 0.15c$ and $0.85c$

7. Ingrid buys food costing $110. She pays a 2.5% sales tax on the food. Which expression will calculate the total cost of the food including tax?

   A. $110(1.025)$ **B.** $110(0.025)$ **C.** $110 + 2.50$

8. A shirt cost $14.44 after a discount of 15% off the original price. Which equation could be used to find the original price (*x*) of the shirt?

   A. $0.15x = 14.44$ **B.** $0.85x = 14.44$ **C.** $0.85(14.44) = x$ **D.** $1.85(14.44) = x$

9. A $140 jacket is on sale for 35% off. What is the sale price of the jacket?

10. Joe's weekly pay increased from $80 to $100. What is the percent increase in Joe's weekly pay?

11. Jill's family went out for dinner. The total dinner check was $49.37. Jill's dad left an 18% tip. *About* how much tip did Jill's dad leave?

12. Ana earns 2.5% simple interest on $2,000 in her savings account. She does not make any deposits or withdrawals. After 3 years, how much interest will Ana have earned on her savings account? (I=prt)

13. Jessica and Janelle are equally paying the 18% tip for their meal. Their bill, including tax, is $21.49. How much will each contribute to the tip?

14. The value of an investment increased from $750 to $795. By which percentage did the value of the investment increase?

15. A chemist weighed an object and found its mass to be 225 grams. The object's actual mass is 250 grams. What was the chemist's percent of error?

16. Dennis measured the width of the space he has in his kitchen to fit a new refrigerator at 37 inches. The actual width is 36 inches. What is the *approximate* percent error?

17. The original price of a jacket was $66.95. Maria used a coupon for 20% off to buy the jacket. How much did she pay before tax?

18. According to a survey, 60 out of 100 gym members preferred listening to music while exercising. If there are 425 gym members, how many are expected to listen to music while exercising?

19. In art class, Kim is mixing paint. The paint mixture is 3 parts yellow and 5 parts blue. What percent of the paint is yellow?

20. Kristen borrowed $700 at a simple interest rate of 15% for 3 years. How much interest will Kristen pay? (I=prt)

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