Percent Word Problems as Decimal Expressions

Name:
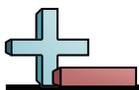
Determine which expression is the correct answer.

1) Over the summer gas prices dropped 1%. Which expression shows the new price of a gallon of gas? (the old price is represented by g)

   A. g - 0.01g   B. g - 0.01   C. g × 0.01   D. g - 1.01

2) Joe was earning $6 an hour before his raise. After his 5% raise he was making $6.3 an hour. Which expression shows how his new hourly rate was calculated?

   A. 6 × 0.05   B. 6 + 1.05   C. 6 × 1.05   D. 6 + 0.05

3) A house was on sell for $39,148. If you wanted to offer 5% less than the asking price(p) which expression shows how much you should offer?

   A. p × 0.05   B. p - 0.05   C. p - 0.05p   D. p - 1.05

4) The regular price of a computer was 499 dollars, but over the weekend it'll be on sale for for 21 percent off. Which expression shows the difference in price from normal(n) to sale?

   A. n × 0.21   B. n - 21   C. n - 1.21   D. n - 0.21

5) Edward drew a square with each side being exactly 9 centimeters long. If he wanted to make the square 13% larger which expression can he use to find the new sides length?

   A. 9 + 0.13   B. 9 + 1.13   C. 9 × 1.13   D. 9 × 0.13

6) A company was having a sale for 5% off the price of computer monitors. Which expression shows how much money you would save if you bought 26 monitors for z dollars a piece?

   A. 26z + 0.05   B. 0.05 × 26z   C. 26z - 0.05   D. 26z + 1.05

7) A sandwich shop was charging $2.90 for a sandwich, but raised the price 10% making them cost $3.19. Which expression shows how the new price was calculated?

   A. 2.9 + 0.1   B. 2.9 × 0.1   C. 2.9 × 1.1   D. 2.9 + 1.1

8) A box of cereal advertised having 46% more marshmallows. The original cereal had y cups of marshmallow. Which expression shows the how many cups of marshmallows the new cereal has?

   A. y + (0.46 × y)   B. y + 1.46   C. y + 0.46   D. y × 0.46

9) A store raised the price on watermelons 4%. The original price for each was X dollars. Which expression shows the new price of the watermelons?

   A. X × 0.04   B. X + 0.04   C. X + 1.04   D. X + (0.04 × X)

10) While clearing out some old inventory a store offered 25 percent off of any item(i). Which expression can be used to calculate the new cost of an item?

   A. i - 0.25i   B. i - 1.25   C. i × 0.25   D. i - 0.25

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

1-10	90	80	70	60	50	40	30	20	10	0

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Answers

1. __A__
2. __C__
3. __C__
4. __A__
5. __C__
6. __B__
7. __C__
8. __A__
9. __D__
10. __A__

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