Percent Word Problems as Decimal Expressions

Name:

Determine which expression is the correct answer.

1) A house was on sell for $29,768. If you wanted to offer 15% less than the asking price(p) which expression shows how much you should offer?

    A. p - 0.15p   B. p × 0.15   C. p - 1.15   D. p - 0.15

2) An icecream bar was 312 calories. If they increased the size of the bar by 9% which expression can be used to find the new calorie count?

    A. 312 × 0.09   B. 312 + 1.09   C. 312 × 1.09   D. 312 + 0.09

3) 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 × 0.01   B. g - 1.01   C. g - 0.01g   D. g - 0.01

4) Last year the price of a college textbook(b) was $290. This year the price will be 14% higher. Which expression shows the difference in price from last year to this year?

    A. b × 0.14   B. b - 0.14   C. b - 1.14   D. b - 14

5) Oliver drew a square with each side being exactly 6 centimeters long. If he wanted to make the square 4% larger which expression can he use to find the new sides length?

    A. 6 + 1.04   B. 6 × 1.04   C. 6 + 0.04   D. 6 × 0.04

6) A box of cereal advertised having 33% 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 + (0.33 × y)   B. y × 0.33   C. y + 1.33   D. y + 0.33

7) A mall kiosk needed to buy 27 new cell phone cases at z dollars a piece. Because they were buying so many they got 18% off the price. Which expression shows how much money they saved?

    A. 27z + 0.18   B. 27z + 1.18   C. 0.18 × 27z   D. 27z - 0.18

8) While clearing out some old inventory a store offered 30 percent off of any item(i). Which expression can be used to calculate the new cost of an item?

    A. i × 0.3   B. i - 0.3   C. i - 1.3   D. i - 0.3i

9) This years model of a cell phone is 14 percent heavier than last years. This years model weight is represent by w. Which expression can be used to calculate the weight of last years model?

    A. w - 0.14   B. w ÷ 1.14   C. w - 1.14   D. w × 0.14

10) A store raised the price on watermelons 12%. The original price for each was X dollars. Which expression shows the new price of the watermelons?

    A. X × 0.12   B. X + 0.12   C. X + 1.12   D. X + (0.12 × X)

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

Math

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	Answers
1.	**A**
2.	**C**
3.	**C**
4.	**A**
5.	**B**
6.	**A**
7.	**C**
8.	**D**
9.	**B**
10.	**D**

Math

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