Percent Word Problems as Decimal Expressions

Name:

Determine which expression is the correct answer.

1) 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 - 1.3   C. i × 0.3   D. i - 0.3i

2) An icecream bar was 751 calories. If they increased the size of the bar by 3% which expression can be used to find the new calorie count?

A. 751 + 1.03   B. 751 × 1.03   C. 751 + 0.03   D. 751 × 0.03

3) 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 × 0.05   D. 6 × 1.05

4) The regular price of a computer was 553 dollars, but over the weekend it'll be on sale for for 19 percent off. Which expression shows the difference in price from normal(n) to sale?

A. n - 1.19   B. n - 19   C. n - 0.19   D. n × 0.19

5) Last year the price of a college textbook(b) was $155. This year the price will be 14% higher. Which expression shows the difference in price from last year to this year?

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

6) A house was on sell for $49,924. If you wanted to offer 10% less than the asking price(p) which expression shows how much you should offer?

A. p - 0.1   B. p - 1.1   C. p × 0.1   D. p - 0.1p

7) A box of cereal advertised having 22% 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 + 0.22   B. y × 0.22   C. y + (0.22 × y)   D. y + 1.22

8) A company was having a sale for 18% off the price of computer monitors. Which expression shows how much money you would save if you bought monitors for z dollars a piece?

A. 36z + 1.18   B. 36z + 0.18   C. 0.18 × 36z   D. 36z - 0.18

9) This years model of a cell phone is 7 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 - 0.07   B. w - 1.07   C. w × 0.07   D. w ÷ 1.07

10) A cell phone company dropped the prices on their phones by 9%. Which expression shows the new price of the phones(p)?

A. p - 0.09   B. p × 0.09   C. p - 1.09   D. p - 0.09p

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

Math

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Answers

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

Math