Percent Word Problems as Decimal Expressions

Name:

Determine which expression is the correct answer.

1) An icecream bar was 656 calories. If they increased the size of the bar by 6% which expression can be used to find the new calorie count?

A. 656 × 0.06 B. 656 + 1.06 C. 656 × 1.06 D. 656 + 0.06

2) This years model of a cell phone is 6 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 - 1.06 B. w - 0.06 C. w ÷ 1.06 D. w × 0.06

3) A cell phone company dropped the prices on their phones by 5%. Which expression shows the new price of the phones(p)?

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

4) A house was on sell for $31,299. If you wanted to offer 13% less than the asking price(p) which expression shows how much you should offer?

A. p - 0.13 B. p - 1.13 C. p - 0.13p D. p × 0.13

5) While clearing out some old inventory a store offered 5 percent off of any item(i). Which expression can be used to calculate the new cost of an item?

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

6) Joe was earning $8 an hour before his raise. After his 5% raise he was making $8.4 an hour. Which expression shows how his new hourly rate was calculated?

A. 8 + 0.05 B. 8 × 1.05 C. 8 × 0.05 D. 8 + 1.05

7) The regular price of a computer was 781 dollars, but over the weekend it'll be on sale for for 25 percent off. Which expression shows the difference in price from normal(n) to sale?

A. n - 25 B. n - 0.25 C. n - 1.25 D. n × 0.25

8) A sandwich shop was charging $2.37 for a sandwich, but raised the price 8% making them cost $2.56. Which expression shows how the new price was calculated?

A. 2.37 + 0.08 B. 2.37 × 1.08 C. 2.37 × 0.08 D. 2.37 + 1.08

9) Last year the price of a college textbook(b) was $294. This year the price will be 10% higher. Which expression shows the difference in price from last year to this year?

A. b - 1.1 B. b - 0.1 C. b - 10 D. b × 0.1

10) A box of cereal advertised having 21% 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 × 0.21 B. y + 0.21 C. y + 1.21 D. y + (0.21 × y)

Answers

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

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

Percent Word Problems as Decimal Expressions Name: **Answer Key**

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Answers

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

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