Determine which expression is the correct answer.

1) A house was on sell for $23,451. If you wanted to offer 6% less than the asking price(p) which expression shows how much you should offer?

A. p - 1.06 B. p - 0.06 C. p - 0.06p D. p × 0.06

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

A. 9 × 1.05 B. 9 + 1.05 C. 9 + 0.05 D. 9 × 0.05

3) Joe was earning $10 an hour before his raise. After his 5% raise he was making $10.5 an hour. Which expression shows how his new hourly rate was calculated?

A. 10 × 0.05 B. 10 + 0.05 C. 10 + 1.05 D. 10 × 1.05

4) A store raised the price on watermelons 1%. The original price for each was X dollars. Which expression shows the new price of the watermelons?

A. X + 0.01 B. X + 1.01 C. X + (0.01 × X) D. X × 0.01

5) 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 × 0.01 C. g - 0.01g D. g - 1.01

6) An icecream bar was 224 calories. If they increased the size of the bar by 8% which expression can be used to find the new calorie count?

A. 224 × 1.08 B. 224 + 0.08 C. 224 × 0.08 D. 224 + 1.08

7) A mall kiosk needed to buy 23 new cell phone cases at z dollars a piece. Because they were buying so many they got 7% off the price. Which expression shows how much money they saved?

A. 23z + 0.07 B. 0.07 × 23z C. 23z + 1.07 D. 23z - 0.07

8) Last year the price of a college textbook(b) was $195. This year the price will be 6% higher. Which expression shows the difference in price from last year to this year?

A. b - 1.06 B. b × 0.06 C. b - 0.06 D. b - 6

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) The regular price of a computer was 573 dollars, but over the weekend it'll be on sale for for 7 percent off. Which expression shows the difference in price from normal(n) to sale?

A. n - 7 B. n × 0.07 C. n - 0.07 D. n - 1.07

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

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