Determine which expression is the correct answer.

1) This years model of a cell phone is 15 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 × 0.15 B. w ÷ 1.15 C. w - 1.15 D. w - 0.15

2) Ned drew a square with each side being exactly 8 centimeters long. If he wanted to make the square 13% larger which expression can he use to find the new sides length?

A. 8 + 1.13 B. 8 × 0.13 C. 8 × 1.13 D. 8 + 0.13

3) A mall kiosk needed to buy 21 new cell phone cases at z dollars a piece. Because they were buying so many they got 5% off the price. Which expression shows how much money they saved?

A. 21z - 0.05 B. 0.05 × 21z C. 21z + 1.05 D. 21z + 0.05

4) An icecream bar was 732 calories. If they increased the size of the bar by 8% which expression can be used to find the new calorie count?

A. 732 + 1.08 B. 732 × 1.08 C. 732 × 0.08 D. 732 + 0.08

5) A box of cereal advertised having 18% 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 + (0.18 × y) B. y × 0.18 C. y + 1.18 D. y + 0.18

6) Last year the price of a college textbook(b) was $260. This year the price will be 23% higher. Which expression shows the difference in price from last year to this year?

A. b - 0.23 B. b × 0.23 C. b - 1.23 D. b - 23

7) A store raised the price on watermelons 5%. The original price for each was X dollars. Which expression shows the new price of the watermelons?

A. X × 0.05 B. X + (0.05 × X) C. X + 1.05 D. X + 0.05

8) A house was on sell for $30,920. If you wanted to offer 8% less than the asking price(p) which expression shows how much you should offer?

A. p - 1.08 B. p - 0.08 C. p - 0.08p D. p × 0.08

9) Over the summer gas prices dropped 2%. Which expression shows the new price of a gallon of gas? (the old price is represented by g)

A. g - 0.02 B. g × 0.02 C. g - 0.02g D. g - 1.02

10) The regular price of a computer was 714 dollars, but over the weekend it'll be on sale for for 10 percent off. Which expression shows the difference in price from normal(n) to sale?

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

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

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