

**Determine which expression is the correct answer.****Answers**

- 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. $w \times 0.15$ B. $w \div 1.15$ 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. $0.05 \times 21z$ 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. $y + (0.18 \times y)$ B. $y \times 0.18$ 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. $b \times 0.23$ 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. $X \times 0.05$ B. $X + (0.05 \times X)$ 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. $p \times 0.08$
- 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. $g \times 0.02$ 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. $n \times 0.1$ C. $n - 0.1$ D. $n - 1.1$

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

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