

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

- 1) 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. $g \times 0.01$ B. $g - 0.01g$ C. $g - 1.01$ D. $g - 0.01$
- 2) An icecream bar was 415 calories. If they increased the size of the bar by 3% which expression can be used to find the new calorie count?
 A. $415 + 1.03$ B. $415 + 0.03$ C. 415×1.03 D. 415×0.03
- 3) This years model of a cell phone is 11 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. $w \div 1.11$ B. $w \times 0.11$ C. $w - 1.11$ D. $w - 0.11$
- 4) A box of cereal advertised having 47% more marshmallows. The original cereal had y cups of marshmallow. Which expression shows the how many cups of marshmallows the new cereal has?
 A. $y + 0.47$ B. $y \times 0.47$ C. $y + 1.47$ D. $y + (0.47 \times y)$
- 5) Last year the price of a college textbook(b) was \$118. This year the price will be 2% higher. Which expression shows the difference in price from last year to this year?
 A. $b - 0.02$ B. $b - 1.02$ C. $b - 2$ D. $b \times 0.02$
- 6) A store raised the price on watermelons 2%. The original price for each was X dollars. Which expression shows the new price of the watermelons?
 A. $X + 1.02$ B. $X + (0.02 \times X)$ C. $X + 0.02$ D. $X \times 0.02$
- 7) A company was having a sale for 11% 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. $0.11 \times 37z$ B. $37z - 0.11$ C. $37z + 1.11$ D. $37z + 0.11$
- 8) While clearing out some old inventory a store offered 35 percent off of any item(i). Which expression can be used to calculate the new cost of an item?
 A. $i - 0.35$ B. $i - 1.35$ C. $i - 0.35i$ D. $i \times 0.35$
- 9) A mall kiosk needed to buy 36 new cell phone cases at z dollars a piece. Because they were buying so many they got 20% off the price. Which expression shows how much money they saved?
 A. $36z + 1.2$ B. $36z - 0.2$ C. $36z + 0.2$ D. $0.2 \times 36z$
- 10) The regular price of a computer was 816 dollars, but over the weekend it'll be on sale for for 6 percent off. Which expression shows the difference in price from normal(n) to sale?
 A. $n - 1.06$ B. $n - 0.06$ C. $n - 6$ D. $n \times 0.06$

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

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