

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

- 1) An icecream bar was 524 calories. If they increased the size of the bar by 8% which expression can be used to find the new calorie count?
A. $524 + 0.08$ B. 524×1.08 C. $524 + 1.08$ D. 524×0.08
- 2) A box of cereal advertised having 16% more marshmallows. The original cereal had y cups of marshmallow. Which expression shows the how many cups of marshmallows the new cereal has?
A. $y + (0.16 \times y)$ B. $y \times 0.16$ C. $y + 1.16$ D. $y + 0.16$
- 3) A company was having a sale for 17% 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. $22z - 0.17$ B. $0.17 \times 22z$ C. $22z + 1.17$ D. $22z + 0.17$
- 4) 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. $10 + 1.05$ B. 10×0.05 C. 10×1.05 D. $10 + 0.05$
- 5) Henry drew a square with each side being exactly 5 centimeters long. If he wanted to make the square 7% larger which expression can he use to find the new sides length?
A. $5 + 0.07$ B. $5 + 1.07$ C. 5×1.07 D. 5×0.07
- 6) A store raised the price on watermelons 9%. The original price for each was X dollars. Which expression shows the new price of the watermelons?
A. $X \times 0.09$ B. $X + 1.09$ C. $X + (0.09 \times X)$ D. $X + 0.09$
- 7) 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. $g \times 0.01$ C. $g - 1.01$ D. $g - 0.01g$
- 8) While clearing out some old inventory a store offered 10 percent off of any item(i). Which expression can be used to calculate the new cost of an item?
A. $i - 0.1$ B. $i - 0.1i$ C. $i - 1.1$ D. $i \times 0.1$
- 9) Last year the price of a college textbook(b) was \$213. This year the price will be 7% higher. Which expression shows the difference in price from last year to this year?
A. $b - 0.07$ B. $b \times 0.07$ C. $b - 7$ D. $b - 1.07$
- 10) This years model of a cell phone is 8 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. $w - 1.08$ B. $w - 0.08$ C. $w \div 1.08$ D. $w \times 0.08$

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

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