

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

- 1) A box of cereal advertised having 23% more marshmallows. The original cereal had y cups of marshmallow. Which expression shows the how many cups of marshmallows the new cereal has?
A. $y + (0.23 \times y)$ B. $y \times 0.23$ C. $y + 1.23$ D. $y + 0.23$
- 2) Sam drew a square with each side being exactly 14 centimeters long. If he wanted to make the square 3% larger which expression can he use to find the new sides length?
A. $14 + 1.03$ B. $14 + 0.03$ C. 14×0.03 D. 14×1.03
- 3) Last year the price of a college textbook(b) was \$116. This year the price will be 11% higher. Which expression shows the difference in price from last year to this year?
A. $b - 11$ B. $b - 1.11$ C. $b \times 0.11$ D. $b - 0.11$
- 4) A sandwich shop was charging \$1.17 for a sandwich, but raised the price 8% making them cost \$1.26. Which expression shows how the new price was calculated?
A. $1.17 + 0.08$ B. 1.17×0.08 C. 1.17×1.08 D. $1.17 + 1.08$
- 5) A company was having a sale for 9% 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. $23z + 1.09$ B. $23z + 0.09$ C. $23z - 0.09$ D. $0.09 \times 23z$
- 6) 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. $g - 1.01$ B. $g - 0.01g$ C. $g \times 0.01$ D. $g - 0.01$
- 7) 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. $w - 1.11$ C. $w \times 0.11$ D. $w - 0.11$
- 8) A cell phone company dropped the prices on their phones by 9%. Which expression shows the new price of the phones(p)?
A. $p \times 0.09$ B. $p - 0.09p$ C. $p - 1.09$ D. $p - 0.09$
- 9) While clearing out some old inventory a store offered 20 percent off of any item(i). Which expression can be used to calculate the new cost of an item?
A. $i - 0.2i$ B. $i - 1.2$ C. $i - 0.2$ D. $i \times 0.2$
- 10) The regular price of a computer was 775 dollars, but over the weekend it'll be on sale for for 5 percent off. Which expression shows the difference in price from normal(n) to sale?
A. $n - 0.05$ B. $n - 5$ C. $n - 1.05$ D. $n \times 0.05$

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

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