

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

- 1) 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. $i - 0.1i$ B. $i - 0.1$ C. $i \times 0.1$ D. $i - 1.1$
- 2) 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. $g - 1.02$ C. $g - 0.02g$ D. $g \times 0.02$
- 3) A sandwich shop was charging \$3.28 for a sandwich, but raised the price 5% making them cost \$3.44. Which expression shows how the new price was calculated?
A. $3.28 + 1.05$ B. 3.28×0.05 C. $3.28 + 0.05$ D. 3.28×1.05
- 4) The regular price of a computer was 808 dollars, but over the weekend it'll be on sale for for 9 percent off. Which expression shows the difference in price from normal(n) to sale?
A. $n - 0.09$ B. $n \times 0.09$ C. $n - 1.09$ D. $n - 9$
- 5) This years model of a cell phone is 5 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. $w - 0.05$ B. $w \div 1.05$ C. $w - 1.05$ D. $w \times 0.05$
- 6) A company was having a sale for 8% 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. $20z + 1.08$ B. $0.08 \times 20z$ C. $20z + 0.08$ D. $20z - 0.08$
- 7) A cell phone company dropped the prices on their phones by 7%. Which expression shows the new price of the phones(p)?
A. $p \times 0.07$ B. $p - 0.07p$ C. $p - 0.07$ D. $p - 1.07$
- 8) A house was on sell for \$43,051. If you wanted to offer 14% less than the asking price(p) which expression shows how much you should offer?
A. $p \times 0.14$ B. $p - 1.14$ C. $p - 0.14$ D. $p - 0.14p$
- 9) A box of cereal advertised having 48% more marshmallows. The original cereal had y cups of marshmallow. Which expression shows the how many cups of marshmallows the new cereal has?
A. $y + 1.48$ B. $y + (0.48 \times y)$ C. $y + 0.48$ D. $y \times 0.48$
- 10) An icecream bar was 678 calories. If they increased the size of the bar by 3% which expression can be used to find the new calorie count?
A. $678 + 1.03$ B. 678×0.03 C. 678×1.03 D. $678 + 0.03$

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

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