

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

- 1) 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. $w \div 1.08$ B. $w \times 0.08$ C. $w - 0.08$ D. $w - 1.08$
- 2) A sandwich shop was charging \$3.72 for a sandwich, but raised the price 5% making them cost \$3.91. Which expression shows how the new price was calculated?
 A. $3.72 + 1.05$ B. 3.72×0.05 C. $3.72 + 0.05$ D. 3.72×1.05
- 3) While clearing out some old inventory a store offered 25 percent off of any item(i). Which expression can be used to calculate the new cost of an item?
 A. $i \times 0.25$ B. $i - 1.25$ C. $i - 0.25i$ D. $i - 0.25$
- 4) A cell phone company dropped the prices on their phones by 9%. Which expression shows the new price of the phones(p)?
 A. $p - 1.09$ B. $p - 0.09$ C. $p - 0.09p$ D. $p \times 0.09$
- 5) A mall kiosk needed to buy 30 new cell phone cases at z dollars a piece. Because they were buying so many they got 11% off the price. Which expression shows how much money they saved?
 A. $0.11 \times 30z$ B. $30z + 1.11$ C. $30z - 0.11$ D. $30z + 0.11$
- 6) Joe was earning \$6 an hour before his raise. After his 5% raise he was making \$6.3 an hour. Which expression shows how his new hourly rate was calculated?
 A. $6 + 0.05$ B. 6×1.05 C. 6×0.05 D. $6 + 1.05$
- 7) 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. $g \times 0.02$ B. $g - 0.02g$ C. $g - 1.02$ D. $g - 0.02$
- 8) The regular price of a computer was 771 dollars, but over the weekend it'll be on sale for for 20 percent off. Which expression shows the difference in price from normal(n) to sale?
 A. $n \times 0.2$ B. $n - 1.2$ C. $n - 20$ D. $n - 0.2$
- 9) John drew a square with each side being exactly 7 centimeters long. If he wanted to make the square 8% larger which expression can he use to find the new sides length?
 A. $7 + 0.08$ B. $7 + 1.08$ C. 7×0.08 D. 7×1.08
- 10) A house was on sell for \$30,783. If you wanted to offer 14% less than the asking price(p) which expression shows how much you should offer?
 A. $p - 0.14p$ B. $p - 1.14$ C. $p \times 0.14$ D. $p - 0.14$

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

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