

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

- 1) A sandwich shop was charging \$1.20 for a sandwich, but raised the price 9% making them cost \$1.31. Which expression shows how the new price was calculated?  
A.  $1.2 \times 0.09$       B.  $1.2 \times 1.09$       C.  $1.2 + 1.09$       D.  $1.2 + 0.09$
- 2) Last year the price of a college textbook(b) was \$147. 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.  $b \times 0.02$
- 3) 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.  $w \div 1.05$       B.  $w \times 0.05$       C.  $w - 0.05$       D.  $w - 1.05$
- 4) A cell phone company dropped the prices on their phones by 10%. Which expression shows the new price of the phones(p)?  
A.  $p - 1.1$       B.  $p - 0.1$       C.  $p \times 0.1$       D.  $p - 0.1p$
- 5) While clearing out some old inventory a store offered 45 percent off of any item(i). Which expression can be used to calculate the new cost of an item?  
A.  $i \times 0.45$       B.  $i - 0.45$       C.  $i - 0.45i$       D.  $i - 1.45$
- 6) A store raised the price on watermelons 6%. The original price for each was X dollars. Which expression shows the new price of the watermelons?  
A.  $X + 1.06$       B.  $X + (0.06 \times X)$       C.  $X \times 0.06$       D.  $X + 0.06$
- 7) A company was having a sale for 13% 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.  $37z + 0.13$       B.  $37z + 1.13$       C.  $37z - 0.13$       D.  $0.13 \times 37z$
- 8) A house was on sell for \$29,227. If you wanted to offer 10% less than the asking price(p) which expression shows how much you should offer?  
A.  $p - 0.1p$       B.  $p \times 0.1$       C.  $p - 1.1$       D.  $p - 0.1$
- 9) An icecream bar was 719 calories. If they increased the size of the bar by 9% which expression can be used to find the new calorie count?  
A.  $719 \times 1.09$       B.  $719 \times 0.09$       C.  $719 + 1.09$       D.  $719 + 0.09$
- 10) Luke drew a square with each side being exactly 11 centimeters long. If he wanted to make the square 4% larger which expression can he use to find the new sides length?  
A.  $11 + 0.04$       B.  $11 \times 1.04$       C.  $11 + 1.04$       D.  $11 \times 0.04$

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

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