

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

- 1) An icecream bar was 631 calories. If they increased the size of the bar by 5% which expression can be used to find the new calorie count?  
A.  $631 + 1.05$       B.  $631 + 0.05$       C.  $631 \times 1.05$       D.  $631 \times 0.05$
- 2) Oliver drew a square with each side being exactly 15 centimeters long. If he wanted to make the square 12% larger which expression can he use to find the new sides length?  
A.  $15 + 0.12$       B.  $15 \times 0.12$       C.  $15 \times 1.12$       D.  $15 + 1.12$
- 3) This years model of a cell phone is 13 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.  $w - 1.13$       B.  $w \div 1.13$       C.  $w - 0.13$       D.  $w \times 0.13$
- 4) A cell phone company dropped the prices on their phones by 10%. Which expression shows the new price of the phones(p)?  
A.  $p \times 0.1$       B.  $p - 0.1$       C.  $p - 1.1$       D.  $p - 0.1p$
- 5) A box of cereal advertised having 30% more marshmallows. The original cereal had y cups of marshmallow. Which expression shows the how many cups of marshmallows the new cereal has?  
A.  $y + (0.3 \times y)$       B.  $y + 1.3$       C.  $y + 0.3$       D.  $y \times 0.3$
- 6) While clearing out some old inventory a store offered 30 percent off of any item(i). Which expression can be used to calculate the new cost of an item?  
A.  $i - 0.3i$       B.  $i \times 0.3$       C.  $i - 1.3$       D.  $i - 0.3$
- 7) The regular price of a computer was 724 dollars, but over the weekend it'll be on sale for for 15 percent off. Which expression shows the difference in price from normal(n) to sale?  
A.  $n \times 0.15$       B.  $n - 15$       C.  $n - 0.15$       D.  $n - 1.15$
- 8) A sandwich shop was charging \$1.58 for a sandwich, but raised the price 9% making them cost \$1.72. Which expression shows how the new price was calculated?  
A.  $1.58 \times 1.09$       B.  $1.58 + 0.09$       C.  $1.58 \times 0.09$       D.  $1.58 + 1.09$
- 9) Last year the price of a college textbook(b) was \$127. This year the price will be 6% higher. Which expression shows the difference in price from last year to this year?  
A.  $b \times 0.06$       B.  $b - 0.06$       C.  $b - 6$       D.  $b - 1.06$
- 10) A mall kiosk needed to buy 35 new cell phone cases at z dollars a piece. Because they were buying so many they got 10% off the price. Which expression shows how much money they saved?  
A.  $0.1 \times 35z$       B.  $35z - 0.1$       C.  $35z + 1.1$       D.  $35z + 0.1$

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

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