

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

- 1) An icecream bar was 914 calories. If they increased the size of the bar by 9% which expression can be used to find the new calorie count?  
A.  $914 + 0.09$       B.  $914 \times 0.09$       C.  $914 \times 1.09$       D.  $914 + 1.09$
- 2) Jerry drew a square with each side being exactly 15 centimeters long. If he wanted to make the square 5% larger which expression can he use to find the new sides length?  
A.  $15 + 1.05$       B.  $15 \times 0.05$       C.  $15 + 0.05$       D.  $15 \times 1.05$
- 3) A sandwich shop was charging \$2.56 for a sandwich, but raised the price 7% making them cost \$2.74. Which expression shows how the new price was calculated?  
A.  $2.56 \times 0.07$       B.  $2.56 \times 1.07$       C.  $2.56 + 1.07$       D.  $2.56 + 0.07$
- 4) 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.  $i - 0.25$       B.  $i - 1.25$       C.  $i \times 0.25$       D.  $i - 0.25i$
- 5) 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 26 monitors for z dollars a piece?  
A.  $26z + 1.08$       B.  $26z + 0.08$       C.  $26z - 0.08$       D.  $0.08 \times 26z$
- 6) Joe was earning \$11 an hour before his raise. After his 5% raise he was making \$11.55 an hour. Which expression shows how his new hourly rate was calculated?  
A.  $11 \times 0.05$       B.  $11 \times 1.05$       C.  $11 + 1.05$       D.  $11 + 0.05$
- 7) 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.  $g - 0.01g$       B.  $g \times 0.01$       C.  $g - 1.01$       D.  $g - 0.01$
- 8) Last year the price of a college textbook(b) was \$288. This year the price will be 8% higher. Which expression shows the difference in price from last year to this year?  
A.  $b \times 0.08$       B.  $b - 0.08$       C.  $b - 1.08$       D.  $b - 8$
- 9) A store raised the price on watermelons 2%. The original price for each was X dollars. Which expression shows the new price of the watermelons?  
A.  $X \times 0.02$       B.  $X + 1.02$       C.  $X + (0.02 \times X)$       D.  $X + 0.02$
- 10) A cell phone company dropped the prices on their phones by 9%. Which expression shows the new price of the phones(p)?  
A.  $p - 0.09$       B.  $p - 1.09$       C.  $p - 0.09p$       D.  $p \times 0.09$

1. \_\_\_\_\_
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7. \_\_\_\_\_
8. \_\_\_\_\_
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10. \_\_\_\_\_

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