

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

- 1) A sandwich shop was charging \$1.49 for a sandwich, but raised the price 8% making them cost \$1.61. Which expression shows how the new price was calculated?  
A.  $1.49 + 1.08$       B.  $1.49 + 0.08$       C.  $1.49 \times 1.08$       D.  $1.49 \times 0.08$
- 2) A box of cereal advertised having 27% more marshmallows. The original cereal had  $y$  cups of marshmallow. Which expression shows the how many cups of marshmallows the new cereal has?  
A.  $y \times 0.27$       B.  $y + 0.27$       C.  $y + 1.27$       D.  $y + (0.27 \times y)$
- 3) Frank drew a square with each side being exactly 12 centimeters long. If he wanted to make the square 3% larger which expression can he use to find the new sides length?  
A.  $12 \times 0.03$       B.  $12 \times 1.03$       C.  $12 + 1.03$       D.  $12 + 0.03$
- 4) While clearing out some old inventory a store offered 20 percent off of any item(i). Which expression can be used to calculate the new cost of an item?  
A.  $i - 0.2$       B.  $i - 0.2i$       C.  $i \times 0.2$       D.  $i - 1.2$
- 5) Last year the price of a college textbook(b) was \$115. This year the price will be 18% higher. Which expression shows the difference in price from last year to this year?  
A.  $b - 1.18$       B.  $b \times 0.18$       C.  $b - 18$       D.  $b - 0.18$
- 6) A cell phone company dropped the prices on their phones by 8%. Which expression shows the new price of the phones(p)?  
A.  $p - 0.08p$       B.  $p - 1.08$       C.  $p \times 0.08$       D.  $p - 0.08$
- 7) A house was on sell for \$51,734. If you wanted to offer 9% less than the asking price(p) which expression shows how much you should offer?  
A.  $p - 1.09$       B.  $p - 0.09$       C.  $p - 0.09p$       D.  $p \times 0.09$
- 8) A store raised the price on watermelons 12%. The original price for each was  $X$  dollars. Which expression shows the new price of the watermelons?  
A.  $X \times 0.12$       B.  $X + 0.12$       C.  $X + 1.12$       D.  $X + (0.12 \times X)$
- 9) 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.  $0.13 \times 23z$       B.  $23z - 0.13$       C.  $23z + 1.13$       D.  $23z + 0.13$
- 10) A mall kiosk needed to buy 22 new cell phone cases at  $z$  dollars a piece. Because they were buying so many they got 17% off the price. Which expression shows how much money they saved?  
A.  $22z + 0.17$       B.  $22z + 1.17$       C.  $0.17 \times 22z$       D.  $22z - 0.17$

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6. \_\_\_\_\_
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8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

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