

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

- 1) A sandwich shop was charging \$3.32 for a sandwich, but raised the price 5% making them cost \$3.49. Which expression shows how the new price was calculated?  
A.  $3.32 \times 0.05$       B.  $3.32 + 0.05$       C.  $3.32 + 1.05$       D.  $3.32 \times 1.05$
- 2) Joe was earning \$7 an hour before his raise. After his 5% raise he was making \$7.35 an hour. Which expression shows how his new hourly rate was calculated?  
A.  $7 \times 0.05$       B.  $7 + 1.05$       C.  $7 \times 1.05$       D.  $7 + 0.05$
- 3) Last year the price of a college textbook(b) was \$211. This year the price will be 5% higher. Which expression shows the difference in price from last year to this year?  
A.  $b - 5$       B.  $b - 1.05$       C.  $b \times 0.05$       D.  $b - 0.05$
- 4) An icecream bar was 524 calories. If they increased the size of the bar by 10% which expression can be used to find the new calorie count?  
A.  $524 \times 0.1$       B.  $524 + 0.1$       C.  $524 + 1.1$       D.  $524 \times 1.1$
- 5) Victor drew a square with each side being exactly 5 centimeters long. If he wanted to make the square 13% larger which expression can he use to find the new sides length?  
A.  $5 \times 0.13$       B.  $5 + 0.13$       C.  $5 + 1.13$       D.  $5 \times 1.13$
- 6) A mall kiosk needed to buy 49 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.  $49z - 0.11$       B.  $49z + 0.11$       C.  $49z + 1.11$       D.  $0.11 \times 49z$
- 7) A box of cereal advertised having 23% more marshmallows. The original cereal had y cups of marshmallow. Which expression shows the how many cups of marshmallows the new cereal has?  
A.  $y \times 0.23$       B.  $y + 1.23$       C.  $y + 0.23$       D.  $y + (0.23 \times y)$
- 8) 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.  $w - 1.05$       B.  $w - 0.05$       C.  $w \div 1.05$       D.  $w \times 0.05$
- 9) A house was on sell for \$34,481. If you wanted to offer 5% less than the asking price(p) which expression shows how much you should offer?  
A.  $p \times 0.05$       B.  $p - 0.05$       C.  $p - 1.05$       D.  $p - 0.05p$
- 10) The regular price of a computer was 586 dollars, but over the weekend it'll be on sale for for 19 percent off. Which expression shows the difference in price from normal(n) to sale?  
A.  $n - 19$       B.  $n - 0.19$       C.  $n \times 0.19$       D.  $n - 1.19$

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

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