

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

- 1) A company was having a sale for 15% off the price of computer monitors. Which expression shows how much money you would save if you bought 28 monitors for  $z$  dollars a piece?  
 A.  $28z + 0.15$       B.  $0.15 \times 28z$       C.  $28z - 0.15$       D.  $28z + 1.15$
- 2) An icecream bar was 417 calories. If they increased the size of the bar by 3% which expression can be used to find the new calorie count?  
 A.  $417 \times 0.03$       B.  $417 \times 1.03$       C.  $417 + 1.03$       D.  $417 + 0.03$
- 3) Joe was earning \$8 an hour before his raise. After his 5% raise he was making \$8.4 an hour. Which expression shows how his new hourly rate was calculated?  
 A.  $8 \times 0.05$       B.  $8 \times 1.05$       C.  $8 + 1.05$       D.  $8 + 0.05$
- 4) A house was on sell for \$35,747. If you wanted to offer 8% less than the asking price( $p$ ) which expression shows how much you should offer?  
 A.  $p - 0.08$       B.  $p - 0.08p$       C.  $p - 1.08$       D.  $p \times 0.08$
- 5) Last year the price of a college textbook( $b$ ) was \$106. This year the price will be 23% higher. Which expression shows the difference in price from last year to this year?  
 A.  $b - 0.23$       B.  $b - 23$       C.  $b - 1.23$       D.  $b \times 0.23$
- 6) A sandwich shop was charging \$2.54 for a sandwich, but raised the price 5% making them cost \$2.67. Which expression shows how the new price was calculated?  
 A.  $2.54 + 0.05$       B.  $2.54 \times 0.05$       C.  $2.54 + 1.05$       D.  $2.54 \times 1.05$
- 7) This years model of a cell phone is 9 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.  $w \times 0.09$       B.  $w - 0.09$       C.  $w \div 1.09$       D.  $w - 1.09$
- 8) Over the summer gas prices dropped 2%. Which expression shows the new price of a gallon of gas? (the old price is represented by  $g$ )  
 A.  $g - 1.02$       B.  $g \times 0.02$       C.  $g - 0.02g$       D.  $g - 0.02$
- 9) The regular price of a computer was 824 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.  $n - 15$       B.  $n - 0.15$       C.  $n \times 0.15$       D.  $n - 1.15$
- 10) 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.  $p - 0.1p$       D.  $p \times 0.1$

1. \_\_\_\_\_
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6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

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