

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

- 1) 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.  $8 + 1.05$       B.  $8 \times 1.05$       C.  $8 + 0.05$       D.  $8 \times 0.05$
- 2) Last year the price of a college textbook(b) was \$251. This year the price will be 9% higher. Which expression shows the difference in price from last year to this year?  
A.  $b \times 0.09$       B.  $b - 0.09$       C.  $b - 9$       D.  $b - 1.09$
- 3) The regular price of a computer was 848 dollars, but over the weekend it'll be on sale for for 9 percent off. Which expression shows the difference in price from normal(n) to sale?  
A.  $n - 9$       B.  $n - 1.09$       C.  $n \times 0.09$       D.  $n - 0.09$
- 4) A box of cereal advertised having 17% more marshmallows. The original cereal had y cups of marshmallow. Which expression shows the how many cups of marshmallows the new cereal has?  
A.  $y + (0.17 \times y)$       B.  $y + 1.17$       C.  $y + 0.17$       D.  $y \times 0.17$
- 5) A cell phone company dropped the prices on their phones by 9%. Which expression shows the new price of the phones(p)?  
A.  $p - 1.09$       B.  $p \times 0.09$       C.  $p - 0.09p$       D.  $p - 0.09$
- 6) Kaleb 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.  $12 + 0.03$       B.  $12 + 1.03$       C.  $12 \times 0.03$       D.  $12 \times 1.03$
- 7) A house was on sell for \$55,226. If you wanted to offer 13% less than the asking price(p) which expression shows how much you should offer?  
A.  $p - 1.13$       B.  $p - 0.13$       C.  $p \times 0.13$       D.  $p - 0.13p$
- 8) A mall kiosk needed to buy 37 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.  $37z + 1.1$       B.  $37z - 0.1$       C.  $37z + 0.1$       D.  $0.1 \times 37z$
- 9) This years model of a cell phone is 10 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.  $w - 0.1$       B.  $w \times 0.1$       C.  $w \div 1.1$       D.  $w - 1.1$
- 10) Over the summer gas prices dropped 3%. Which expression shows the new price of a gallon of gas? (the old price is represented by g)  
A.  $g - 0.03g$       B.  $g - 1.03$       C.  $g - 0.03$       D.  $g \times 0.03$

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

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