

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

- 1) This years model of a cell phone is 8 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.  $w \div 1.08$                   B.  $w \times 0.08$                   C.  $w - 0.08$                   D.  $w - 1.08$
- 2) A sandwich shop was charging \$3.72 for a sandwich, but raised the price 5% making them cost \$3.91. Which expression shows how the new price was calculated?  
A.  $3.72 + 1.05$                   B.  $3.72 \times 0.05$                   C.  $3.72 + 0.05$                   D.  $3.72 \times 1.05$
- 3) 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.  $i \times 0.25$                   B.  $i - 1.25$                   C.  $i - 0.25i$                   D.  $i - 0.25$
- 4) 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.  $p - 0.09$                   C.  $p - 0.09p$                   D.  $p \times 0.09$
- 5) A mall kiosk needed to buy 30 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.  $0.11 \times 30z$                   B.  $30z + 1.11$                   C.  $30z - 0.11$                   D.  $30z + 0.11$
- 6) Joe was earning \$6 an hour before his raise. After his 5% raise he was making \$6.3 an hour. Which expression shows how his new hourly rate was calculated?  
A.  $6 + 0.05$                   B.  $6 \times 1.05$                   C.  $6 \times 0.05$                   D.  $6 + 1.05$
- 7) 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.  $g \times 0.02$                   B.  $g - 0.02g$                   C.  $g - 1.02$                   D.  $g - 0.02$
- 8) The regular price of a computer was 771 dollars, but over the weekend it'll be on sale for for 20 percent off. Which expression shows the difference in price from normal(n) to sale?  
A.  $n \times 0.2$                   B.  $n - 1.2$                   C.  $n - 20$                   D.  $n - 0.2$
- 9) John drew a square with each side being exactly 7 centimeters long. If he wanted to make the square 8% larger which expression can he use to find the new sides length?  
A.  $7 + 0.08$                   B.  $7 + 1.08$                   C.  $7 \times 0.08$                   D.  $7 \times 1.08$
- 10) A house was on sell for \$30,783. If you wanted to offer 14% less than the asking price(p) which expression shows how much you should offer?  
A.  $p - 0.14p$                   B.  $p - 1.14$                   C.  $p \times 0.14$                   D.  $p - 0.14$

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



Determine which expression is the correct answer.

**Answers**

- 1) This years model of a cell phone is 8 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.  $w \div 1.08$                       B.  $w \times 0.08$                       C.  $w - 0.08$                       D.  $w - 1.08$
- 2) A sandwich shop was charging \$3.72 for a sandwich, but raised the price 5% making them cost \$3.91. Which expression shows how the new price was calculated?  
 A.  $3.72 + 1.05$                       B.  $3.72 \times 0.05$                       C.  $3.72 + 0.05$                       D.  $3.72 \times 1.05$
- 3) 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.  $i \times 0.25$                       B.  $i - 1.25$                       C.  $i - 0.25i$                       D.  $i - 0.25$
- 4) 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.  $p - 0.09$                       C.  $p - 0.09p$                       D.  $p \times 0.09$
- 5) A mall kiosk needed to buy 30 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.  $0.11 \times 30z$                       B.  $30z + 1.11$                       C.  $30z - 0.11$                       D.  $30z + 0.11$
- 6) Joe was earning \$6 an hour before his raise. After his 5% raise he was making \$6.3 an hour. Which expression shows how his new hourly rate was calculated?  
 A.  $6 + 0.05$                       B.  $6 \times 1.05$                       C.  $6 \times 0.05$                       D.  $6 + 1.05$
- 7) 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.  $g \times 0.02$                       B.  $g - 0.02g$                       C.  $g - 1.02$                       D.  $g - 0.02$
- 8) The regular price of a computer was 771 dollars, but over the weekend it'll be on sale for for 20 percent off. Which expression shows the difference in price from normal(n) to sale?  
 A.  $n \times 0.2$                       B.  $n - 1.2$                       C.  $n - 20$                       D.  $n - 0.2$
- 9) John drew a square with each side being exactly 7 centimeters long. If he wanted to make the square 8% larger which expression can he use to find the new sides length?  
 A.  $7 + 0.08$                       B.  $7 + 1.08$                       C.  $7 \times 0.08$                       D.  $7 \times 1.08$
- 10) A house was on sell for \$30,783. If you wanted to offer 14% less than the asking price(p) which expression shows how much you should offer?  
 A.  $p - 0.14p$                       B.  $p - 1.14$                       C.  $p \times 0.14$                       D.  $p - 0.14$

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