



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

**Answers**

- 1) A box of cereal advertised having 46% more marshmallows. The original cereal had  $y$  cups of marshmallow. Which expression shows the how many cups of marshmallows the new cereal has?  
 A.  $y + (0.46 \times y)$       B.  $y + 1.46$       C.  $y \times 0.46$       D.  $y + 0.46$
  
- 2) 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.  $g - 0.02$       B.  $g \times 0.02$       C.  $g - 0.02g$       D.  $g - 1.02$
  
- 3) A house was on sell for \$20,885. If you wanted to offer 6% less than the asking price( $p$ ) which expression shows how much you should offer?  
 A.  $p - 0.06$       B.  $p \times 0.06$       C.  $p - 1.06$       D.  $p - 0.06p$
  
- 4) A mall kiosk needed to buy 22 new cell phone cases at  $z$  dollars a piece. Because they were buying so many they got 20% off the price. Which expression shows how much money they saved?  
 A.  $22z + 1.2$       B.  $22z - 0.2$       C.  $0.2 \times 22z$       D.  $22z + 0.2$
  
- 5) An icecream bar was 964 calories. If they increased the size of the bar by 10% which expression can be used to find the new calorie count?  
 A.  $964 \times 1.1$       B.  $964 \times 0.1$       C.  $964 + 0.1$       D.  $964 + 1.1$
  
- 6) The regular price of a computer was 412 dollars, but over the weekend it'll be on sale for for 18 percent off. Which expression shows the difference in price from normal( $n$ ) to sale?  
 A.  $n \times 0.18$       B.  $n - 18$       C.  $n - 1.18$       D.  $n - 0.18$
  
- 7) While clearing out some old inventory a store offered 5 percent off of any item( $i$ ). Which expression can be used to calculate the new cost of an item?  
 A.  $i - 1.05$       B.  $i - 0.05$       C.  $i - 0.05i$       D.  $i \times 0.05$
  
- 8) Last year the price of a college textbook( $b$ ) was \$182. This year the price will be 8% higher. Which expression shows the difference in price from last year to this year?  
 A.  $b - 0.08$       B.  $b - 8$       C.  $b - 1.08$       D.  $b \times 0.08$
  
- 9) Billy drew a square with each side being exactly 14 centimeters long. If he wanted to make the square 3% larger which expression can he use to find the new sides length?  
 A.  $14 + 1.03$       B.  $14 \times 0.03$       C.  $14 + 0.03$       D.  $14 \times 1.03$
  
- 10) A cell phone company dropped the prices on their phones by 5%. Which expression shows the new price of the phones( $p$ )?  
 A.  $p \times 0.05$       B.  $p - 1.05$       C.  $p - 0.05$       D.  $p - 0.05p$

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

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

- 1) A box of cereal advertised having 46% more marshmallows. The original cereal had  $y$  cups of marshmallow. Which expression shows the how many cups of marshmallows the new cereal has?  
A.  $y + (0.46 \times y)$       B.  $y + 1.46$       C.  $y \times 0.46$       D.  $y + 0.46$
- 2) 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.  $g - 0.02$       B.  $g \times 0.02$       C.  $g - 0.02g$       D.  $g - 1.02$
- 3) A house was on sell for \$20,885. If you wanted to offer 6% less than the asking price( $p$ ) which expression shows how much you should offer?  
A.  $p - 0.06$       B.  $p \times 0.06$       C.  $p - 1.06$       D.  $p - 0.06p$
- 4) A mall kiosk needed to buy 22 new cell phone cases at  $z$  dollars a piece. Because they were buying so many they got 20% off the price. Which expression shows how much money they saved?  
A.  $22z + 1.2$       B.  $22z - 0.2$       C.  $0.2 \times 22z$       D.  $22z + 0.2$
- 5) An icecream bar was 964 calories. If they increased the size of the bar by 10% which expression can be used to find the new calorie count?  
A.  $964 \times 1.1$       B.  $964 \times 0.1$       C.  $964 + 0.1$       D.  $964 + 1.1$
- 6) The regular price of a computer was 412 dollars, but over the weekend it'll be on sale for for 18 percent off. Which expression shows the difference in price from normal( $n$ ) to sale?  
A.  $n \times 0.18$       B.  $n - 18$       C.  $n - 1.18$       D.  $n - 0.18$
- 7) While clearing out some old inventory a store offered 5 percent off of any item( $i$ ). Which expression can be used to calculate the new cost of an item?  
A.  $i - 1.05$       B.  $i - 0.05$       C.  $i - 0.05i$       D.  $i \times 0.05$
- 8) Last year the price of a college textbook( $b$ ) was \$182. This year the price will be 8% higher. Which expression shows the difference in price from last year to this year?  
A.  $b - 0.08$       B.  $b - 8$       C.  $b - 1.08$       D.  $b \times 0.08$
- 9) Billy drew a square with each side being exactly 14 centimeters long. If he wanted to make the square 3% larger which expression can he use to find the new sides length?  
A.  $14 + 1.03$       B.  $14 \times 0.03$       C.  $14 + 0.03$       D.  $14 \times 1.03$
- 10) A cell phone company dropped the prices on their phones by 5%. Which expression shows the new price of the phones( $p$ )?  
A.  $p \times 0.05$       B.  $p - 1.05$       C.  $p - 0.05$       D.  $p - 0.05p$

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