



Determine which expression is the correct answer.

**Answers**

- 1) Over the summer gas prices dropped 1%. Which expression shows the new price of a gallon of gas? (the old price is represented by g)  
 A.  $g \times 0.01$       B.  $g - 1.01$       C.  $g - 0.01$       D.  $g - 0.01g$
- 2) A mall kiosk needed to buy 36 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.  $36z - 0.11$       B.  $0.11 \times 36z$       C.  $36z + 0.11$       D.  $36z + 1.11$
- 3) 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.  $6 + 1.05$       B.  $6 + 0.05$       C.  $6 \times 0.05$       D.  $6 \times 1.05$
- 4) The regular price of a computer was 432 dollars, but over the weekend it'll be on sale for for 10 percent off. Which expression shows the difference in price from normal(n) to sale?  
 A.  $n \times 0.1$       B.  $n - 0.1$       C.  $n - 1.1$       D.  $n - 10$
- 5) Frank drew a square with each side being exactly 15 centimeters long. If he wanted to make the square 10% larger which expression can he use to find the new sides length?  
 A.  $15 + 0.1$       B.  $15 \times 0.1$       C.  $15 \times 1.1$       D.  $15 + 1.1$
- 6) A cell phone company dropped the prices on their phones by 10%. Which expression shows the new price of the phones(p)?  
 A.  $p - 0.1$       B.  $p - 0.1p$       C.  $p - 1.1$       D.  $p \times 0.1$
- 7) A company was having a sale for 6% off the price of computer monitors. Which expression shows how much money you would save if you bought 38 monitors for z dollars a piece?  
 A.  $0.06 \times 38z$       B.  $38z + 0.06$       C.  $38z - 0.06$       D.  $38z + 1.06$
- 8) A store raised the price on watermelons 14%. The original price for each was X dollars. Which expression shows the new price of the watermelons?  
 A.  $X + 1.14$       B.  $X + (0.14 \times X)$       C.  $X \times 0.14$       D.  $X + 0.14$
- 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.  $w - 1.1$       B.  $w \times 0.1$       C.  $w \div 1.1$       D.  $w - 0.1$
- 10) Last year the price of a college textbook(b) was \$296. This year the price will be 24% higher. Which expression shows the difference in price from last year to this year?  
 A.  $b - 0.24$       B.  $b - 1.24$       C.  $b \times 0.24$       D.  $b - 24$

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6. \_\_\_\_\_
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8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

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**Answers**

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