1) A mall kiosk needed to buy 45 new cell phone cases at \( z \) dollars a piece. Because they were buying so many they got 18\% off the price. Which expression shows how much money they saved?

A. \( 45z - 0.18 \)  
B. \( 0.18 \times 45z \)  
C. \( 45z + 0.18 \)  
D. \( 45z + 1.18 \)

2) A sandwich shop was charging $3.43 for a sandwich, but raised the price 10\% making them cost $3.77. Which expression shows how the new price was calculated?

A. \( 3.43 + 1.1 \)  
B. \( 3.43 + 0.1 \)  
C. \( 3.43 \times 1.1 \)  
D. \( 3.43 \times 0.1 \)

3) A house was on sell for $44,017. If you wanted to offer 5\% less than the asking price (\( p \)) which expression shows how much you should offer?

A. \( p - 1.05 \)  
B. \( p - 0.05 \)  
C. \( p - 0.05p \)  
D. \( p \times 0.05 \)

4) A company was having a sale for 9\% 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. \( 38z - 0.09 \)  
B. \( 0.09 \times 38z \)  
C. \( 38z + 1.09 \)  
D. \( 38z + 0.09 \)

5) The regular price of a computer was $819 dollars, but over the weekend it'll be on sale for for 21\% off. Which expression shows the difference in price from normal (\( n \)) to sale?

A. \( n - 1.21 \)  
B. \( n - 21 \)  
C. \( n - 0.21 \)  
D. \( n \times 0.21 \)

6) Last year the price of a college textbook (\( b \)) was $130. This year the price will be 19\% higher. Which expression shows the difference in price from last year to this year?

A. \( b \times 0.19 \)  
B. \( b - 1.19 \)  
C. \( b - 0.19 \)  
D. \( b - 19 \)

7) A store raised the price on watermelons 1\%. The original price for each was \( X \) dollars. Which expression shows the new price of the watermelons?

A. \( X + 1.01 \)  
B. \( X + (0.01 \times X) \)  
C. \( X \times 0.01 \)  
D. \( X + 0.01 \)

8) 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. \( g - 0.01g \)  
C. \( g - 1.01 \)  
D. \( g - 0.01 \)

9) 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. \( w \div 1.09 \)  
B. \( w - 1.09 \)  
C. \( w \times 0.09 \)  
D. \( w - 0.09 \)

10) Joe was earning $10 an hour before his raise. After his 5\% raise he was making $10.5 an hour. Which expression shows how his new hourly rate was calculated?

A. \( 10 \times 0.05 \)  
B. \( 10 + 1.05 \)  
C. \( 10 \times 1.05 \)  
D. \( 10 + 0.05 \)
Determine which expression is the correct answer.

1) A mall kiosk needed to buy 45 new cell phone cases at z dollars a piece. Because they were buying so many they got 18% off the price. Which expression shows how much money they saved?
   A. 45z - 0.18  
   B. 0.18 × 45z  
   C. 45z + 0.18  
   D. 45z + 1.18

2) A sandwich shop was charging $3.43 for a sandwich, but raised the price 10% making them cost $3.77. Which expression shows how the new price was calculated?
   A. 3.43 + 1.1  
   B. 3.43 + 0.1  
   C. 3.43 × 1.1  
   D. 3.43 × 0.1

3) A house was on sell for $44,017. If you wanted to offer 5% less than the asking price(p) which expression shows how much you should offer?
   A. p - 1.05  
   B. p - 0.05  
   C. p - 0.05p  
   D. p × 0.05

4) A company was having a sale for 9% 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. 38z - 0.09  
   B. 0.09 × 38z  
   C. 38z + 1.09  
   D. 38z + 0.09

5) The regular price of a computer was 819 dollars, but over the weekend it'll be on sale for for 21 percent off. Which expression shows the difference in price from normal(n) to sale?
   A. n - 1.21  
   B. n - 21  
   C. n - 0.21  
   D. n × 0.21

6) Last year the price of a college textbook(b) was $130. This year the price will be 19% higher. Which expression shows the difference in price from last year to this year?
   A. b × 0.19  
   B. b - 1.19  
   C. b - 0.19  
   D. b - 19

7) A store raised the price on watermelons 1%. The original price for each was X dollars. Which expression shows the new price of the watermelons?
   A. X + 1.01  
   B. X + (0.01 × X)  
   C. X × 0.01  
   D. X + 0.01

8) 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 × 0.01  
   B. g - 0.01g  
   C. g - 1.01  
   D. g - 0.01

9) 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 ÷ 1.09  
   B. w - 1.09  
   C. w × 0.09  
   D. w - 0.09

10) Joe was earning $10 an hour before his raise. After his 5% raise he was making $10.5 an hour. Which expression shows how his new hourly rate was calculated?
    A. 10 × 0.05  
    B. 10 + 1.05  
    C. 10 × 1.05  
    D. 10 + 0.05