



Determine which expression is the correct answer.

Answers

- 1) This years model of a cell phone is 5 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. $w - 0.05$ B. $w \times 0.05$ C. $w \div 1.05$ D. $w - 1.05$
- 2) Last year the price of a college textbook(b) was \$258. This year the price will be 11% higher. Which expression shows the difference in price from last year to this year?
 A. $b \times 0.11$ B. $b - 11$ C. $b - 0.11$ D. $b - 1.11$
- 3) A company was having a sale for 10% off the price of computer monitors. Which expression shows how much money you would save if you bought 21 monitors for z dollars a piece?
 A. $21z - 0.1$ B. $21z + 0.1$ C. $0.1 \times 21z$ D. $21z + 1.1$
- 4) A sandwich shop was charging \$1.79 for a sandwich, but raised the price 5% making them cost \$1.88. Which expression shows how the new price was calculated?
 A. 1.79×1.05 B. $1.79 + 0.05$ C. $1.79 + 1.05$ D. 1.79×0.05
- 5) An icecream bar was 692 calories. If they increased the size of the bar by 3% which expression can be used to find the new calorie count?
 A. $692 + 0.03$ B. 692×0.03 C. 692×1.03 D. $692 + 1.03$
- 6) A cell phone company dropped the prices on their phones by 6%. Which expression shows the new price of the phones(p)?
 A. $p - 0.06p$ B. $p - 0.06$ C. $p - 1.06$ D. $p \times 0.06$
- 7) 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. $g - 1.03$ B. $g \times 0.03$ C. $g - 0.03$ D. $g - 0.03g$
- 8) Oliver drew a square with each side being exactly 14 centimeters long. If he wanted to make the square 5% larger which expression can he use to find the new sides length?
 A. $14 + 1.05$ B. $14 + 0.05$ C. 14×0.05 D. 14×1.05
- 9) A mall kiosk needed to buy 45 new cell phone cases at z dollars a piece. Because they were buying so many they got 15% off the price. Which expression shows how much money they saved?
 A. $0.15 \times 45z$ B. $45z + 0.15$ C. $45z - 0.15$ D. $45z + 1.15$
- 10) A store raised the price on watermelons 6%. The original price for each was X dollars. Which expression shows the new price of the watermelons?
 A. $X + 1.06$ B. $X + 0.06$ C. $X \times 0.06$ D. $X + (0.06 \times X)$

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 5 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. $w - 0.05$ B. $w \times 0.05$ C. $w \div 1.05$ D. $w - 1.05$
- 2) Last year the price of a college textbook(b) was \$258. This year the price will be 11% higher. Which expression shows the difference in price from last year to this year?
 A. $b \times 0.11$ B. $b - 11$ C. $b - 0.11$ D. $b - 1.11$
- 3) A company was having a sale for 10% off the price of computer monitors. Which expression shows how much money you would save if you bought 21 monitors for z dollars a piece?
 A. $21z - 0.1$ B. $21z + 0.1$ C. $0.1 \times 21z$ D. $21z + 1.1$
- 4) A sandwich shop was charging \$1.79 for a sandwich, but raised the price 5% making them cost \$1.88. Which expression shows how the new price was calculated?
 A. 1.79×1.05 B. $1.79 + 0.05$ C. $1.79 + 1.05$ D. 1.79×0.05
- 5) An icecream bar was 692 calories. If they increased the size of the bar by 3% which expression can be used to find the new calorie count?
 A. $692 + 0.03$ B. 692×0.03 C. 692×1.03 D. $692 + 1.03$
- 6) A cell phone company dropped the prices on their phones by 6%. Which expression shows the new price of the phones(p)?
 A. $p - 0.06p$ B. $p - 0.06$ C. $p - 1.06$ D. $p \times 0.06$
- 7) 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. $g - 1.03$ B. $g \times 0.03$ C. $g - 0.03$ D. $g - 0.03g$
- 8) Oliver drew a square with each side being exactly 14 centimeters long. If he wanted to make the square 5% larger which expression can he use to find the new sides length?
 A. $14 + 1.05$ B. $14 + 0.05$ C. 14×0.05 D. 14×1.05
- 9) A mall kiosk needed to buy 45 new cell phone cases at z dollars a piece. Because they were buying so many they got 15% off the price. Which expression shows how much money they saved?
 A. $0.15 \times 45z$ B. $45z + 0.15$ C. $45z - 0.15$ D. $45z + 1.15$
- 10) A store raised the price on watermelons 6%. The original price for each was X dollars. Which expression shows the new price of the watermelons?
 A. $X + 1.06$ B. $X + 0.06$ C. $X \times 0.06$ D. $X + (0.06 \times X)$

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