

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

- 1) Last year the price of a college textbook(b) was \$209. This year the price will be 13% higher. Which expression shows the difference in price from last year to this year?
A. $b \times 0.13$ B. $b - 1.13$ C. $b - 0.13$ D. $b - 13$
- 2) A cell phone company dropped the prices on their phones by 8%. Which expression shows the new price of the phones(p)?
A. $p \times 0.08$ B. $p - 0.08p$ C. $p - 1.08$ D. $p - 0.08$
- 3) An icecream bar was 864 calories. If they increased the size of the bar by 7% which expression can be used to find the new calorie count?
A. 864×0.07 B. $864 + 1.07$ C. 864×1.07 D. $864 + 0.07$
- 4) George drew a square with each side being exactly 10 centimeters long. If he wanted to make the square 4% larger which expression can he use to find the new sides length?
A. 10×0.04 B. 10×1.04 C. $10 + 1.04$ D. $10 + 0.04$
- 5) 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. $g - 0.03g$ C. $g - 0.03$ D. $g \times 0.03$
- 6) While clearing out some old inventory a store offered 20 percent off of any item(i). Which expression can be used to calculate the new cost of an item?
A. $i - 1.2$ B. $i \times 0.2$ C. $i - 0.2i$ D. $i - 0.2$
- 7) A mall kiosk needed to buy 45 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. $45z + 1.11$ B. $45z - 0.11$ C. $0.11 \times 45z$ D. $45z + 0.11$
- 8) Joe was earning \$9 an hour before his raise. After his 5% raise he was making \$9.45 an hour. Which expression shows how his new hourly rate was calculated?
A. $9 + 1.05$ B. 9×1.05 C. $9 + 0.05$ D. 9×0.05
- 9) A sandwich shop was charging \$1.70 for a sandwich, but raised the price 7% making them cost \$1.82. Which expression shows how the new price was calculated?
A. 1.7×0.07 B. 1.7×1.07 C. $1.7 + 0.07$ D. $1.7 + 1.07$
- 10) A store raised the price on watermelons 11%. The original price for each was X dollars. Which expression shows the new price of the watermelons?
A. $X \times 0.11$ B. $X + 1.11$ C. $X + (0.11 \times X)$ D. $X + 0.11$

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

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