

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

- 1) John drew a square with each side being exactly 8 centimeters long. If he wanted to make the square 8% larger which expression can he use to find the new sides length?
A. $8 + 1.08$ B. 8×0.08 C. $8 + 0.08$ D. 8×1.08
- 2) A house was on sell for \$24,000. If you wanted to offer 14% less than the asking price(p) which expression shows how much you should offer?
A. $p \times 0.14$ B. $p - 1.14$ C. $p - 0.14$ D. $p - 0.14p$
- 3) While clearing out some old inventory a store offered 15 percent off of any item(i). Which expression can be used to calculate the new cost of an item?
A. $i - 0.15i$ B. $i - 0.15$ C. $i \times 0.15$ D. $i - 1.15$
- 4) A sandwich shop was charging \$2.07 for a sandwich, but raised the price 6% making them cost \$2.19. Which expression shows how the new price was calculated?
A. $2.07 + 0.06$ B. $2.07 + 1.06$ C. 2.07×1.06 D. 2.07×0.06
- 5) A company was having a sale for 19% 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. $38z + 1.19$ B. $0.19 \times 38z$ C. $38z + 0.19$ D. $38z - 0.19$
- 6) An icecream bar was 327 calories. If they increased the size of the bar by 10% which expression can be used to find the new calorie count?
A. $327 + 0.1$ B. $327 + 1.1$ C. 327×0.1 D. 327×1.1
- 7) 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. $g - 1.02$
- 8) A mall kiosk needed to buy 21 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. $21z + 1.18$ B. $21z + 0.18$ C. $21z - 0.18$ D. $0.18 \times 21z$
- 9) Last year the price of a college textbook(b) was \$298. This year the price will be 22% higher. Which expression shows the difference in price from last year to this year?
A. $b - 22$ B. $b - 1.22$ C. $b - 0.22$ D. $b \times 0.22$
- 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. $10 + 0.05$ D. 10×1.05

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
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Answers

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