

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

- 1) Joe was earning \$7 an hour before his raise. After his 5% raise he was making \$7.35 an hour. Which expression shows how his new hourly rate was calculated?
A. 7×1.05 B. $7 + 1.05$ C. $7 + 0.05$ D. 7×0.05
- 2) A store raised the price on watermelons 3%. The original price for each was X dollars. Which expression shows the new price of the watermelons?
A. $X + (0.03 \times X)$ B. $X + 0.03$ C. $X + 1.03$ D. $X \times 0.03$
- 3) The regular price of a computer was 436 dollars, but over the weekend it'll be on sale for for 8 percent off. Which expression shows the difference in price from normal(n) to sale?
A. $n - 0.08$ B. $n - 8$ C. $n \times 0.08$ D. $n - 1.08$
- 4) A mall kiosk needed to buy 46 new cell phone cases at z dollars a piece. Because they were buying so many they got 14% off the price. Which expression shows how much money they saved?
A. $0.14 \times 46z$ B. $46z + 0.14$ C. $46z - 0.14$ D. $46z + 1.14$
- 5) An icecream bar was 993 calories. If they increased the size of the bar by 10% which expression can be used to find the new calorie count?
A. $993 + 0.1$ B. $993 + 1.1$ C. 993×0.1 D. 993×1.1
- 6) 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 monitors for z dollars a piece?
A. $0.09 \times 20z$ B. $20z - 0.09$ C. $20z + 0.09$ D. $20z + 1.09$
- 7) This years model of a cell phone is 15 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. $w - 1.15$ B. $w - 0.15$ C. $w \div 1.15$ D. $w \times 0.15$
- 8) Oliver drew a square with each side being exactly 8 centimeters long. If he wanted to make the square 11% larger which expression can he use to find the new sides length?
A. $8 + 1.11$ B. $8 + 0.11$ C. 8×1.11 D. 8×0.11
- 9) 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. $g - 1.02$ B. $g - 0.02g$ C. $g \times 0.02$ D. $g - 0.02$
- 10) A sandwich shop was charging \$2.43 for a sandwich, but raised the price 6% making them cost \$2.58. Which expression shows how the new price was calculated?
A. 2.43×1.06 B. $2.43 + 0.06$ C. $2.43 + 1.06$ D. 2.43×0.06

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