

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

- 1) While clearing out some old inventory a store offered 6 percent off of any item(i). Which expression can be used to calculate the new cost of an item?
A. $i - 0.06i$ B. $i - 1.06$ C. $100i + 0.06$ D. $i - 0.06$
- 2) A house was on sell for \$51,749. If you wanted to offer 15% less than the asking price(p) which expression shows how much you should offer?
A. $p - 1.15$ B. $p - 15$ C. $p - 0.15$ D. $p - 0.15p$
- 3) A company was having a sale for 16% off the price of computer monitors. Which expression shows how much money you would save if you bought 39 monitors for z dollars a piece?
A. $z - 16$ B. $z - 0.16$ C. $z - 1.16$ D. $0.16 \times 39z$
- 4) 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. $i - 9$ B. $i - 0.09$ C. $i - 1.09$ D. $i \div 1.09$
- 5) A box of cereal advertised having 36% more marshmallows. The original cereal had y cups of marshmallow. Which expression shows the how many cups of marshmallows the new cereal has?
A. $y - 1.36$ B. $y + (0.36 \times y)$ C. $y - 0.36$ D. $100y + 0.36$
- 6) Sam drew a square with each side being exactly 10 centimeters long. If he wanted to make the square 8% larger which expression can he use to find the new sides length?
A. $s - 1.08$ B. 10×1.08 C. $s - 0.08$ D. $s - 8$
- 7) Last year the price of a college textbook(b) was \$182. This year the price will be 6% higher. Which expression shows the difference in price from last year to this year?
A. $b \times 0.06$ B. $b - 6$ C. $b - 0.06$ D. $b - 1.06$
- 8) A mall kiosk needed to buy 37 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. $z - 11$ B. $z - 0.11$ C. $0.11 \times 37z$ D. $z - 1.11$
- 9) The regular price of a computer was 430 dollars, but over the weekend it'll be on sale for for 10 percent off. Which expression shows the difference in price from normal(n) to sale?
A. $n - 1.1$ B. $n - 10$ C. $n \times 0.1$ D. $n - 0.1$
- 10) A store raised the price on watermelons 10%. The original price for each was X dollars. Which expression shows the new price of the watermelons?
A. $X - 1.1$ B. $X + (0.1 \times X)$ C. $X - 0.1$ D. $100X + 0.1$

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

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