

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

- 1) 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. $w - 1.09$ B. $w \div 1.09$ C. $w \times 0.09$ D. $w - 0.09$
- 2) A store raised the price on watermelons 13%. The original price for each was X dollars. Which expression shows the new price of the watermelons?
A. $X + 0.13$ B. $X \times 0.13$ C. $X + (0.13 \times X)$ D. $X + 1.13$
- 3) Last year the price of a college textbook(b) was \$258. This year the price will be 19% higher. Which expression shows the difference in price from last year to this year?
A. $b - 0.19$ B. $b - 19$ C. $b \times 0.19$ D. $b - 1.19$
- 4) The regular price of a computer was 826 dollars, but over the weekend it'll be on sale for for 14 percent off. Which expression shows the difference in price from normal(n) to sale?
A. $n - 0.14$ B. $n \times 0.14$ C. $n - 14$ D. $n - 1.14$
- 5) A box of cereal advertised having 18% more marshmallows. The original cereal had y cups of marshmallow. Which expression shows the how many cups of marshmallows the new cereal has?
A. $y \times 0.18$ B. $y + (0.18 \times y)$ C. $y + 1.18$ D. $y + 0.18$
- 6) A cell phone company dropped the prices on their phones by 10%. Which expression shows the new price of the phones(p)?
A. $p - 0.1$ B. $p - 1.1$ C. $p - 0.1p$ D. $p \times 0.1$
- 7) An icecream bar was 554 calories. If they increased the size of the bar by 10% which expression can be used to find the new calorie count?
A. $554 + 1.1$ B. 554×1.1 C. 554×0.1 D. $554 + 0.1$
- 8) While clearing out some old inventory a store offered 50 percent off of any item(i). Which expression can be used to calculate the new cost of an item?
A. $i - 0.5$ B. $i - 0.5i$ C. $i \times 1.5$ D. $i - 1.5$
- 9) A mall kiosk needed to buy 42 new cell phone cases at z dollars a piece. Because they were buying so many they got 12% off the price. Which expression shows how much money they saved?
A. $0.12 \times 42z$ B. $42z + 0.12$ C. $42z + 1.12$ D. $42z - 0.12$
- 10) 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 monitors for z dollars a piece?
A. $30z + 0.16$ B. $30z - 0.16$ C. $0.16 \times 30z$ D. $30z + 1.16$

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

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