

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

- 1) 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. $X - 0.03$ B. $X - 1.03$ C. $X + (0.03 \times X)$ D. $100X + 0.03$
- 2) This years model of a cell phone is 12 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. $i - 12$ B. $i - 0.12$ C. $i \div 1.12$ D. $i - 1.12$
- 3) Last year the price of a college textbook(b) was \$253. This year the price will be 24% higher. Which expression shows the difference in price from last year to this year?
A. $b - 1.24$ B. $b \times 0.24$ C. $b - 24$ D. $b - 0.24$
- 4) Joe was earning \$8 an hour before his raise. After his 5% raise he was making \$8.4 an hour. Which expression shows how his new hourly rate was calculated?
A. 8×1.05 B. $r - 5$ C. $r - 0.05$ D. $r - 1.05$
- 5) A box of cereal advertised having 45% more marshmallows. The original cereal had y cups of marshmallow. Which expression shows the how many cups of marshmallows the new cereal has?
A. $y - 1.45$ B. $100y + 0.45$ C. $y - 0.45$ D. $y + (0.45 \times y)$
- 6) A cell phone company dropped the prices on their phones by 9%. Which expression shows the new price of the phones(p)?
A. $p - 0.09$ B. $p - 0.09p$ C. $p - 1.09$ D. $100p + 0.09$
- 7) An icecream bar was 980 calories. If they increased the size of the bar by 9% which expression can be used to find the new calorie count?
A. $i - 1.09$ B. $i - 0.09$ C. 980×1.09 D. $i - 9$
- 8) The regular price of a computer was 640 dollars, but over the weekend it'll be on sale for for 17 percent off. Which expression shows the difference in price from normal(n) to sale?
A. $n - 1.17$ B. $n - 17$ C. $n \times 0.17$ D. $n - 0.17$
- 9) A mall kiosk needed to buy 32 new cell phone cases at z dollars a piece. Because they were buying so many they got 15% off the price. Which expression shows how much money they saved?
A. $z - 0.15$ B. $z - 15$ C. $z - 1.15$ D. $0.15 \times 32z$
- 10) 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. $100g + 0.03$ D. $g - 0.03$

1. _____

2. _____

3. _____

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5. _____

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10. _____

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