

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

- 1) A mall kiosk needed to buy 31 new cell phone cases at z dollars a piece. Because they were buying so many they got 10% off the price. Which expression shows how much money they saved?
- A. $z - 10$ B. $z - 0.1$ C. $z - 1.1$ D. $0.1 \times 31z$
- 2) 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. $r - 1.05$ B. 8×1.05 C. $r - 5$ D. $r - 0.05$
- 3) Last year the price of a college textbook(b) was \$271. This year the price will be 2% higher. Which expression shows the difference in price from last year to this year?
- A. $b \times 0.02$ B. $b - 1.02$ C. $b - 2$ D. $b - 0.02$
- 4) 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. $g - 0.03g$ B. $100g + 0.03$ C. $g - 1.03$ D. $g - 0.03$
- 5) A house was on sell for \$36,376. If you wanted to offer 5% less than the asking price(p) which expression shows how much you should offer?
- A. $p - 5$ B. $p - 1.05$ C. $p - 0.05p$ D. $p - 0.05$
- 6) This years model of a cell phone is 5 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. $i - 1.05$ B. $i \div 1.05$ C. $i - 5$ D. $i - 0.05$
- 7) A company was having a sale for 11% off the price of computer monitors. Which expression shows how much money you would save if you bought 31 monitors for z dollars a piece?
- A. $0.11 \times 31z$ B. $z - 0.11$ C. $z - 11$ D. $z - 1.11$
- 8) An icecream bar was 257 calories. If they increased the size of the bar by 9% which expression can be used to find the new calorie count?
- A. $i - 9$ B. $i - 0.09$ C. $i - 1.09$ D. 257×1.09
- 9) A cell phone company dropped the prices on their phones by 5%. Which expression shows the new price of the phones(p)?
- A. $100p + 0.05$ B. $p - 1.05$ C. $p - 0.05$ D. $p - 0.05p$
- 10) A box of cereal advertised having 28% more marshmallows. The original cereal had y cups of marshmallow. Which expression shows the how many cups of marshmallows the new cereal has?
- A. $100y + 0.28$ B. $y - 0.28$ C. $y + (0.28 \times y)$ D. $y - 1.28$

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

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