Answers



Determine which expression is the correct answer.

- 1) A house was on sell for \$23,451. If you wanted to offer 6% less than the asking price(p) which expression shows how much you should offer?
 - A. p 1.06
- B. p 0.06
- C. p 0.06p
- D. $p \times 0.06$
- 2) Luke drew a square with each side being exactly 9 centimeters long. If he wanted to make the square 5% larger which expression can he use to find the new sides length?
 - A. 9×1.05
- B.9 + 1.05
- C. 9 + 0.05
- D. 9×0.05
- 3) Joe was earning \$10 an hour before his raise. After his 5% raise he was making \$10.5 an hour. Which expression shows how his new hourly rate was calculated?
 - A. 10×0.05
- B. 10 + 0.05
- C. 10 + 1.05
- D. 10×1.05
- 4) A store raised the price on watermelons 1%. The original price for each was X dollars. Which expression shows the new price of the watermelons?
 - A. X + 0.01
- B. X + 1.01
- C. $X + (0.01 \times X)$
- D. $X \times 0.01$
- 5) Over the summer gas prices dropped 1%. Which expression shows the new price of a gallon of gas? (the old price is represented by g)
 - A. g 0.01
- B. $g \times 0.01$
- C. g 0.01g
- D. g 1.01
- 6) An icecream bar was 224 calories. If they increased the size of the bar by 8% which expression can be used to find the new calorie count?
 - A. 224×1.08
- B. 224 + 0.08
- C. 224×0.08
- D. 224 + 1.08
- 7) A mall kiosk needed to buy 23 new cell phone cases at z dollars a piece. Because they were buying so many they got 7% off the price. Which expression shows how much money they saved?
 - A. 23z + 0.07
- $B.\ 0.07 \times 23z$
- C. 23z + 1.07
- D. 23z 0.07
- 8) Last year the price of a college textbook(b) was \$195. This year the price will be 6% higher. Which expression shows the difference in price from last year to this year?
 - A. b 1.06
- B. $b \times 0.06$
- C. b 0.06
- D. b 6
- 9) This years model of a cell phone is 7 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 0.07
- B. w 1.07
- C. $w \times 0.07$
- D. w ÷ 1.07
- 10) The regular price of a computer was 573 dollars, but over the weekend it'll be on sale for for 7 percent off. Which expression shows the difference in price from normal(n) to sale?
 - A. n 7
- B. $n \times 0.07$
- C. n 0.07
- D. n 1.07

Percent Word Problems as De Determine which expression is the correct answer.

1) A house was on sell for \$23,451. If you wanted to offer 6% less than the asking price(p) which expression shows how much you should offer?

D.
$$p \times 0.06$$

A.
$$9 \times 1.05$$

$$B.9 + 1.05$$

$$C. 9 + 0.05$$

D.
$$9 \times 0.05$$

A.
$$10 \times 0.05$$

B.
$$10 + 0.05$$

$$C. 10 + 1.05$$

D.
$$10 \times 1.05$$

A.
$$X + 0.01$$

B.
$$X + 1.01$$

C.
$$X + (0.01 \times X)$$

D.
$$X \times 0.01$$

B.
$$g \times 0.01$$

A.
$$224 \times 1.08$$

B.
$$224 + 0.08$$

C.
$$224 \times 0.08$$

D.
$$224 + 1.08$$

A.
$$23z + 0.07$$

$$B.\ 0.07 \times 23z$$

$$C. 23z + 1.07$$

B.
$$b \times 0.06$$

C.
$$w \times 0.07$$

D.
$$w \div 1.07$$

$$\text{B. } n \times 0.07$$

1-10 90 80 70 60 50 40 30 20 10 0

Answers