Percent Word Problems as Decimal Expressions

Name:

Determine which expression is the correct answer.

1) A mall kiosk needed to buy 49 new cell phone cases at z dollars a piece. Because they were buying so many they got 19% off the price. Which expression shows how much money they saved?

A. 49z - 0.19   B. 49z + 1.19   C. 49z + 0.19   D. $0.19 \times 49z$

2) While clearing out some old inventory a store offered 45 percent off of any item(i). Which expression can be used to calculate the new cost of an item?

A. i - 0.45   B. i - 0.45i   C. i - 1.45   D. $i \times 0.45$

3) An icecream bar was 613 calories. If they increased the size of the bar by 5% which expression can be used to find the new calorie count?

A. 613 + 0.05   B. 613×1.05 C. 613 + 1.05   D. 613×0.05

4) Joe was earning $7 an hour before his raise. After his 5% raise he was making $7.35 an hour. Which expression shows how his new hourly rate was calculated?

A. 7×0.05 B. 7×1.05 C. 7 + 1.05   D. 7 + 0.05

5) The regular price of a computer was 488 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 - 0.17   C. n - 17   D. $n \times 0.17$

6) A house was on sell for $49,439. If you wanted to offer 10% less than the asking price(p) which expression shows how much you should offer?

A. p - 0.1p   B. p - 0.1   C. $p \times 0.1$ D. p - 1.1

7) Over the summer gas prices dropped 2%. Which expression shows the new price of a gallon of gas? (the old price is represented by g)

A. g - 0.02   B. g - 0.02g   C. g - 1.02   D. $g \times 0.02$

8) A store raised the price on watermelons 4%. The original price for each was X dollars. Which expression shows the new price of the watermelons?

A. $X \times 0.04$ B. X + 1.04   C. $X + (0.04 \times X)$ D. X + 0.04

9) A cell phone company dropped the prices on their phones by 7%. Which expression shows the new price of the phones(p)?

A. p - 0.07   B. p - 1.07   C. p - 0.07p   D. $p \times 0.07$

10) 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. w - 0.05   B. w - 1.05   C. $w \times 0.05$ D. $w \div 1.05$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

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

Math

Name: **Answer Key**

Determine which expression is the correct answer.

	Answers

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Answers

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

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Math   www.CommonCoreSheets.com