Percent Word Problems as Decimal Expressions

Name:

Determine which expression is the correct answer.

1) A mall kiosk needed to buy 40 new cell phone cases at z dollars a piece. Because they were buying so many they got 18% off the price. Which expression shows how much money they saved?

A. $0.18 \times 40z$ B. $40z + 1.18$ C. $40z + 0.18$ D. $40z - 0.18$

2) A box of cereal advertised having 49% more marshmallows. The original cereal had y cups of marshmallow. Which expression shows the how many cups of marshmallows the new cereal has?

A. $y + 1.49$ B. $y \times 0.49$ C. $y + (0.49 \times y)$ D. $y + 0.49$

3) Billy drew a square with each side being exactly 8 centimeters long. If he wanted to make the square 13% larger which expression can he use to find the new sides length?

A. 8×0.13 B. $8 + 1.13$ C. $8 + 0.13$ D. 8×1.13

4) A cell phone company dropped the prices on their phones by 10%. Which expression shows the new price of the phones(p)?

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

5) A store raised the price on watermelons 14%. The original price for each was X dollars. Which expression shows the new price of the watermelons?

A. $X + 0.14$ B. $X \times 0.14$ C. $X + (0.14 \times X)$ D. $X + 1.14$

6) 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. $8 + 0.05$ B. 8×1.05 C. 8×0.05 D. $8 + 1.05$

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

8) 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 monitors for z dollars a piece?

A. $20z - 0.11$ B. $0.11 \times 20z$ C. $20z + 0.11$ D. $20z + 1.11$

9) A house was on sell for $22,871. If you wanted to offer 13% less than the asking price(p) which expression shows how much you should offer?

A. $p - 1.13$ B. $p - 0.13$ C. $p \times 0.13$ D. $p - 0.13p$

10) The regular price of a computer was 484 dollars, but over the weekend it'll be on sale for for 10 percent off. Which expression shows the difference in price from normal(n) to sale?

A. $n - 10$ B. $n \times 0.1$ C. $n - 0.1$ D. $n - 1.1$

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

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

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

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