Determine which expression is the correct answer.

1) A sandwich shop was charging $1.23 for a sandwich, but raised the price 8% making them cost $1.33. Which expression shows how the new price was calculated?

A. 1.23 + 0.08 B. 1.23 × 0.08 C. 1.23 + 1.08 D. 1.23 × 1.08

2) A box of cereal advertised having 11% 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 + 0.11 B. y + 1.11 C. y × 0.11 D. y + (0.11 × y)

3) Joe was earning $11 an hour before his raise. After his 5% raise he was making $11.55 an hour. Which expression shows how his new hourly rate was calculated?

A. 11 × 1.05 B. 11 + 0.05 C. 11 + 1.05 D. 11 × 0.05

4) A cell phone company dropped the prices on their phones by 8%. Which expression shows the new price of the phones(p)?

A. p - 1.08 B. p - 0.08p C. p - 0.08 D. p × 0.08

5) A mall kiosk needed to buy 32 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. 0.19 × 32z B. 32z - 0.19 C. 32z + 0.19 D. 32z + 1.19

6) 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 - 1.01 B. g - 0.01g C. g - 0.01 D. g × 0.01

7) Victor drew a square with each side being exactly 8 centimeters long. If he wanted to make the square 5% larger which expression can he use to find the new sides length?

A. 8 + 1.05 B. 8 × 0.05 C. 8 + 0.05 D. 8 × 1.05

8) The regular price of a computer was 470 dollars, but over the weekend it'll be on sale for for 14 percent off. Which expression shows the difference in price from normal(n) to sale?

A. n - 14 B. n - 1.14 C. n - 0.14 D. n × 0.14

9) While clearing out some old inventory a store offered 20 percent off of any item(i). Which expression can be used to calculate the new cost of an item?

A. i - 0.2i B. i × 0.2 C. i - 0.2 D. i - 1.2

10) This years model of a cell phone is 15 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 - 1.15 B. w - 0.15 C. w × 0.15 D. w ÷ 1.15

Answers

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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Answers

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

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