

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

- 1) Last year the price of a college textbook(b) was \$262. This year the price will be 19% higher. Which expression shows the difference in price from last year to this year?  
A.  $b - 19$                       B.  $b - 0.19$                       C.  $b \times 0.19$                       D.  $b - 1.19$
- 2) 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.  $r - 5$                       B.  $11 \times 1.05$                       C.  $r - 0.05$                       D.  $r - 1.05$
- 3) A mall kiosk needed to buy 24 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.  $0.18 \times 24z$                       B.  $z - 18$                       C.  $z - 0.18$                       D.  $z - 1.18$
- 4) An icecream bar was 380 calories. If they increased the size of the bar by 8% which expression can be used to find the new calorie count?  
A.  $i - 8$                       B.  $380 \times 1.08$                       C.  $i - 0.08$                       D.  $i - 1.08$
- 5) A box of cereal advertised having 22% more marshmallows. The original cereal had y cups of marshmallow. Which expression shows the how many cups of marshmallows the new cereal has?  
A.  $y + (0.22 \times y)$                       B.  $y - 1.22$                       C.  $100y + 0.22$                       D.  $y - 0.22$
- 6) While clearing out some old inventory a store offered 8 percent off of any item(i). Which expression can be used to calculate the new cost of an item?  
A.  $100i + 0.08$                       B.  $i - 0.08i$                       C.  $i - 1.08$                       D.  $i - 0.08$
- 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.  $100g + 0.02$                       B.  $g - 0.02g$                       C.  $g - 0.02$                       D.  $g - 1.02$
- 8) A company was having a sale for 5% off the price of computer monitors. Which expression shows how much money you would save if you bought 40 monitors for z dollars a piece?  
A.  $z - 0.05$                       B.  $z - 5$                       C.  $z - 1.05$                       D.  $0.05 \times 40z$
- 9) Victor drew a square with each side being exactly 13 centimeters long. If he wanted to make the square 11% larger which expression can he use to find the new sides length?  
A.  $13 \times 1.11$                       B.  $s - 1.11$                       C.  $s - 0.11$                       D.  $s - 11$
- 10) A cell phone company dropped the prices on their phones by 8%. Which expression shows the new price of the phones(p)?  
A.  $100p + 0.08$                       B.  $p - 0.08p$                       C.  $p - 0.08$                       D.  $p - 1.08$

1. \_\_\_\_\_

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3. \_\_\_\_\_

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6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

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