



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

**Answers**

- 1) Joe was earning \$6 an hour before his raise. After his 5% raise he was making \$6.3 an hour. Which expression shows how his new hourly rate was calculated?  
 A.  $6 \times 0.05$       B.  $6 + 0.05$       C.  $6 \times 1.05$       D.  $6 + 1.05$
  
- 2) A company was having a sale for 18% off the price of computer monitors. Which expression shows how much money you would save if you bought 33 monitors for z dollars a piece?  
 A.  $33z + 0.18$       B.  $0.18 \times 33z$       C.  $33z + 1.18$       D.  $33z - 0.18$
  
- 3) The regular price of a computer was 430 dollars, but over the weekend it'll be on sale for 19 percent off. Which expression shows the difference in price from normal(n) to sale?  
 A.  $n \times 0.19$       B.  $n - 0.19$       C.  $n - 19$       D.  $n - 1.19$
  
- 4) A store raised the price on watermelons 7%. The original price for each was X dollars. Which expression shows the new price of the watermelons?  
 A.  $X + 1.07$       B.  $X + 0.07$       C.  $X + (0.07 \times X)$       D.  $X \times 0.07$
  
- 5) An icecream bar was 376 calories. If they increased the size of the bar by 6% which expression can be used to find the new calorie count?  
 A.  $376 \times 1.06$       B.  $376 \times 0.06$       C.  $376 + 1.06$       D.  $376 + 0.06$
  
- 6) A box of cereal advertised having 31% more marshmallows. The original cereal had y cups of marshmallow. Which expression shows the how many cups of marshmallows the new cereal has?  
 A.  $y + 0.31$       B.  $y + (0.31 \times y)$       C.  $y + 1.31$       D.  $y \times 0.31$
  
- 7) This years model of a cell phone is 6 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.  $w - 1.06$       B.  $w \div 1.06$       C.  $w \times 0.06$       D.  $w - 0.06$
  
- 8) 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.  $g \times 0.01$       B.  $g - 0.01$       C.  $g - 0.01g$       D.  $g - 1.01$
  
- 9) Last year the price of a college textbook(b) was \$100. This year the price will be 5% higher. Which expression shows the difference in price from last year to this year?  
 A.  $b - 1.05$       B.  $b - 0.05$       C.  $b \times 0.05$       D.  $b - 5$
  
- 10) While clearing out some old inventory a store offered 25 percent off of any item(i). Which expression can be used to calculate the new cost of an item?  
 A.  $i - 0.25i$       B.  $i - 1.25$       C.  $i \times 0.25$       D.  $i - 0.25$

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

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

- 1) Joe was earning \$6 an hour before his raise. After his 5% raise he was making \$6.3 an hour. Which expression shows how his new hourly rate was calculated?  
A.  $6 \times 0.05$       B.  $6 + 0.05$       C.  $6 \times 1.05$       D.  $6 + 1.05$
- 2) A company was having a sale for 18% off the price of computer monitors. Which expression shows how much money you would save if you bought 33 monitors for z dollars a piece?  
A.  $33z + 0.18$       B.  $0.18 \times 33z$       C.  $33z + 1.18$       D.  $33z - 0.18$
- 3) The regular price of a computer was 430 dollars, but over the weekend it'll be on sale for 19 percent off. Which expression shows the difference in price from normal(n) to sale?  
A.  $n \times 0.19$       B.  $n - 0.19$       C.  $n - 19$       D.  $n - 1.19$
- 4) A store raised the price on watermelons 7%. The original price for each was X dollars. Which expression shows the new price of the watermelons?  
A.  $X + 1.07$       B.  $X + 0.07$       C.  $X + (0.07 \times X)$       D.  $X \times 0.07$
- 5) An icecream bar was 376 calories. If they increased the size of the bar by 6% which expression can be used to find the new calorie count?  
A.  $376 \times 1.06$       B.  $376 \times 0.06$       C.  $376 + 1.06$       D.  $376 + 0.06$
- 6) A box of cereal advertised having 31% more marshmallows. The original cereal had y cups of marshmallow. Which expression shows the how many cups of marshmallows the new cereal has?  
A.  $y + 0.31$       B.  $y + (0.31 \times y)$       C.  $y + 1.31$       D.  $y \times 0.31$
- 7) This years model of a cell phone is 6 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.  $w - 1.06$       B.  $w \div 1.06$       C.  $w \times 0.06$       D.  $w - 0.06$
- 8) 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.  $g \times 0.01$       B.  $g - 0.01$       C.  $g - 0.01g$       D.  $g - 1.01$
- 9) Last year the price of a college textbook(b) was \$100. This year the price will be 5% higher. Which expression shows the difference in price from last year to this year?  
A.  $b - 1.05$       B.  $b - 0.05$       C.  $b \times 0.05$       D.  $b - 5$
- 10) While clearing out some old inventory a store offered 25 percent off of any item(i). Which expression can be used to calculate the new cost of an item?  
A.  $i - 0.25i$       B.  $i - 1.25$       C.  $i \times 0.25$       D.  $i - 0.25$

**Answers**

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