

## Understanding and Writing Word Problem

1. 4 times a number added to 15. The results is 39  
A.  $4 + 15x = 39$       B.  $4x + 15 = 39$   
C.  $39 + 4x = 15$       D.  $4x + 39 = 15$
2. 12 subtracted from twice a number  
A.  $12 - 2x$       B.  $12x - 2$   
C.  $2x - 12$       D.  $12 - 2 - x$
3. James is going on a trip. He went 30 miles and then travel 60 miles each hour. How long will it take him to go 210 miles? Let  $h$  = hours  
A.  $60h + 30 = 210$       B.  $30h + 60 = 210$   
C.  $210 - 60h = 30$       D.  $210 - 30h = 6$
4. Anye made 50 cupcakes. She has an equal amount of cupcakes in 6 boxes with 2 left over. How many cupcakes will fit in each box. Let  $c$  = cupcakes.  
A.  $50 + 6c = 2$       B.  $6 + 2c = 50$   
C.  $6c + 2 = 50$       D.  $6c - 50 = 2$
5. Bryce opens a savings account with \$100 and deposits \$50 each month. How long will it take him to save \$800. Let  $m$  = months  
A.  $100m + 50 = 800$       B.  $800 + 50m = 100$   
C.  $800 - 50m = 100$       D.  $100 + 50m = 800$
6. Brooke is renting a Limo for the Winter Dance. The limo cost \$75 plus \$15 each hour. She doesn't want to spend exactly \$300. How many hours can she rent the limo. Let  $h$ =hours  
A.  $75h + 15 = 300$       B.  $75 + 15h = 300$   
C.  $15h - 300 = 75$       D.  $75 - 15h = 300$
7. Sam received \$150 for his birthday this year. This was \$10 less than 3 times the amount he received last year. How much money did Sam receive for his birthday last year?  
A. Let  $n$  = Sam's birthday      B. Let  $n$ = Sam's age  
C. Let  $n$  = money Sam go last year      D. Let  $n$  = money Sam got this year

8. Jazyme earned a total of \$900 last week. This total was \$10 less than five times the amount she earned last week. How much money did she earn last week?

Let  $n$  = money earned last week

A.  $10 - 5n = 900$       B.  $5n - 10 = 900$   
C.  $5n - 900 = 10$       D.  $900 - 5n = 10$

9. Chandon charged his customers a flat fee of \$25 to fix computers. Then he charged \$20 for each hour that he spent fixing the computer. If he made \$175 off of his first customer, how many hours did he spend working? Let  $h$  = hours worked

A.  $20h + 25 = 175$       B.  $25h + 20 = 175$   
C.  $175 - 20h = 25$       D.  $175 - 25h = 20$

10. 75 is 12 less than half a number. Let  $n$  = number

A.  $12 - 2n = 75$       B.  $12 - \frac{1}{2}n = 75$   
C.  $\frac{1}{2}n - 12 = 75$       D.  $75 - 2n = 12$