Name:_____ Date:_____

UNIT 8 LESSON 11

AIM: INTRO TO WORD PROBLEMS

Do Now: QUIZ #2

1) Write 3 consecutive integers 1, 2, 3

2) Write 3 consecutive EVEN integers 2, 4, 6

3) Write 3 consecutive ODD integers 1, 3, 5

4) If X = 1st consecutive integer (C.I.)

$X+1$ = 2nd consecutive integer

$X+2$ = 3rd consecutive integer

5) If X = 1st consecutive EVEN integer (C.E.I.)

$X+2$ = 2nd consecutive EVEN integer

$X+4$ = 3rd consecutive EVEN integer

6) If X = 1st consecutive ODD integer (C.O.I.)

$X+2$ = 2nd consecutive ODD integer

$X+4$ = 3rd consecutive ODD integer

same legend!

7) Translate each phrase into a mathematical sentence. Do not solve.

a.	Six less than a number is 8 (= equal)	$X-6=8$
b.	Twice a number is 10	$2X=10$
c.	The product of a number and 7 is 35 (mult.)	$7X=35$
d.	10 more than a number is 50.	$10+X=50$
e.	The square of a # is 36	$X^2=36$
f	The difference of a # and 5 is 3	$X-5=3$
g.	12 subtracted from the product of a # and 3 is 10.	$3X-12=10$
h.	4 less than 6 times a # is 10	$6X-4=10$

Set up the legend:

8. The larger of two numbers is 3 times the smaller. → ~~the~~ comes last → "x"

x = smaller

$3x$ = larger

9. The length of a rectangle is 5 more than the width.

x = width

$x+5$ = length

10. Find three consecutive ODD integers.

x = 1st C.O.I.

$x+2$ = 2nd COI

$x+4$ = 3rd COI.

11. The larger of two numbers is 23 less than twice the smaller.

x = smaller

$2x-23$ = larger

12. The width of a rectangle is 4 feet less than the length

x = length

$x-4$ = width

13. The larger of two numbers is 8 more than the smaller.

x = smaller

$x+8$ = larger

14. Find three consecutive integers.

x = 1st CI

$x+1$ = 2nd CI

$x+2$ = 3rd CI