

APRIL 29, 2011

HAPPY FRIDAY!

PLEASE BE AWESOME FOR MS. BRISK TODAY



TODAY'S agenda

*** 9.1.1 - WRITING AND SOLVING EQUATIONS**

*** POSSIBLE HOMEWORK TIME**

HOMEWORK:

NEW assignment: P. 444 (11,12)

YESTERDAY'S assignment: P. 444 (1,3,5,6,8,9)

BOTH ARE DUE ON MONDAY

Writing and Solving equations

7 Inez's family is purchasing a new stereo system from Sharon's Sound Shop. The salesperson offers a choice of payment plans.

Plan A: Make a \$100 down payment and then pay \$35 per month for 24 months.

Plan B: Make no down payment and pay \$40 per month for 24 months.

- b. For each plan, write an expression for the amount Inez's family will have paid after m months.

Plan A $100 + 35m$

Plan B $40m$

variables:

$$m = \text{months}$$

- c. After how many months will the family have paid the same amount no matter which payment plan is selected?

$$100 + 35m = 40m$$

$$m = 20$$

15	625	600
24	940	960
20	800	800

8 Finding 5 more than a given number gives the same result as 3 times the sum of that number and 1. What is the number?

$3 \times (n+1)$

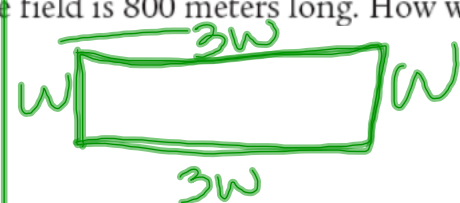
$$3(N+1) = 5+N$$

$$3N+3 = 5+N$$

Guess	$3N+3$	$5+N$
7	24	12
12	39	17
1	6	6

n=1

9 A rectangular field is three times as long as it is wide. The fence around the perimeter of the field is 800 meters long. How wide is the field?



$$1w + 3w + w + 3w = 800$$

$$8w = 800$$



10

An apartment building has a TV antenna on its roof. The top of the antenna is 66 meters above the ground. The building is ten times as tall as the antenna. How tall is the antenna?

$a = \text{antenna}$

$$10A + A = 66 \quad 11A = 66$$

$$A = 6$$




11

Together, Hally and Trey have \$14. If Hally had \$1 more, she would have twice as much money as Trey.

- a. Write and solve an equation to find how much money Hally and Trey each have.

$T = \text{Trey}$

$$T + 2T - 1 = 14$$

$$3T - 1 = 14$$

Trey = \$5
Hally = \$9



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