

cont.

Dec 18, 2006

### 3.2 Review:

① During Saturday's game,  
 the football team gained  
 87 yds rushing and 213

yards were gained passing.  
 How many more yards were gained passing  
 than rushing?

Define a variable, write an equation

Let  $r$  = difference between rushing and passing

$$\text{rushing} + (\text{diff}) = \text{passing}$$

$$\begin{array}{r} 87 + r = 213 \\ -87 \quad -87 \end{array}$$

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$$r = \underline{\underline{126 \text{ yds}}}$$

⑧ Gloria plants 3 bushes. The number of petunia plants that she has, divided by 7, is equal to the number of bushes. How many petunia plants does Gloria have?

$$\text{Let } p = \underline{\text{petunia plants}}$$
$$\frac{p}{7} = \text{bushes}$$

~~$$\frac{p}{7} = 3 \rightarrow$$~~

$$\underline{\underline{p = 21 \text{ petunia plants}}}$$

⑨ Nicholas sold 86 newspapers on Monday, 79 on Tuesday, 68 on Wed. and 83 on Friday. How many newspapers did Nicholas sell on Thursday if he sold a total of 391 in the five days?

Let Th = Thursday

$$\underline{M} + \underline{T} + \underline{W} + \underline{Th} + \underline{F} = 391$$

$$\underline{86} + \underline{79} + \underline{68} + Th + \underline{83} = 391$$

$$\begin{array}{r} 316 + Th = 391 \\ - 316 \qquad - 316 \\ \hline \end{array}$$

$$\underline{Th = 75 \text{ newspapers}}$$