| $\begin{aligned} & \hline \text { Algebral } \\ & \hline \text { pg } 123 \end{aligned}$ |  |
| :---: | :---: |
| 14 8-hr shifts | 65 Cal/orange $35 \mathrm{Cal} /$ Peach |
| 600 round trip $x=20$ | $7 \mathrm{Cal} /$ celery $20 \mathrm{Cal} /$ Carrot |
| 306 lbs pecans $x=102$ | $\begin{aligned} & 9 \times 24 \mathrm{~cm}=\text { Red } \\ & 14 \times 22 \mathrm{~cm} \text { - Rlue } \end{aligned}$ |
| 9 hrs space $x=3$ | $24 \mathrm{~cm} \times 48 \mathrm{~cm}-$ First <br> $21 \mathrm{~cm} \times 56 \mathrm{~cm}-$ Second |


5) Find the number of Calories in an orange and in a peach.
(1) An orange has 30 Cal more than a peach.
(2) Thirteen peaches have as many Cal as 7 oranges.


## Let $x=$ Peach's Calories $x+30=$ Orange's Calories

## $7(x+30)=13 x$

6) Find the number of Calories in a stalk of celery and in a carrot.
(1) A carrot has 13 Cal more than a celery stalk.
(2) Five carrots and ten celery stalks have only 170 Cal .

7) The length of a rectangle is twice its width $w$. A second rectangle, which is 8 cm longer and 3 cm narrower than the first, has perimeter 154 cm . Make a sketch of the rectangles expressing all dimensions in terms of $w$. Then find the dimensions of each rectangle.

$(2 w+8)+(w-3)+(2 w+8)+(w-3)=154$
