

G2-M4-Lesson 19

1. Solve the following problems using the vertical form, your place value chart, and place value disks.

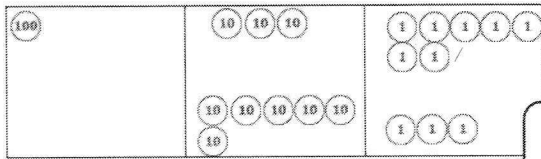
a.  $24 + 69 = \underline{93}$

I can solve this one mentally! 69 is close to 70, so I can think  $24 + 70 = 94$ . Then, I can just subtract 1, and the answer is 93.

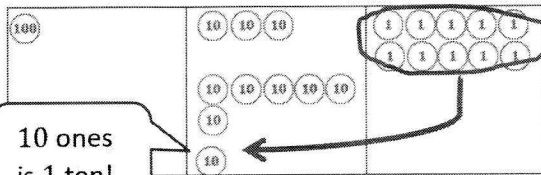
b.  $137 + 63 = \underline{200}$

I can use my chart and place value disks to solve.

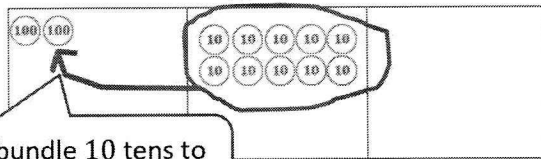
I write it in vertical form as I model it with my place value disks.



I bundle 10 ones and make a ten!



10 ones is 1 ten!



I bundle 10 tens to make a hundred!



$$\begin{array}{r} 137 \\ + 63 \\ \hline \end{array}$$

$$\begin{array}{r} 137 \\ + 63 \\ \hline 10 \end{array}$$

I show the ten using new groups below, on the line below the tens place.

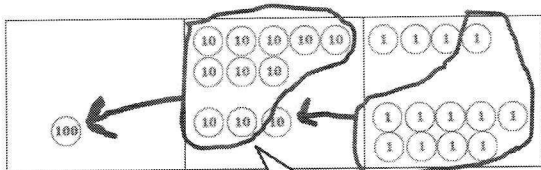
$$\begin{array}{r} 137 \\ + 63 \\ \hline 110 \end{array}$$

Now I add the tens. 3 tens plus 6 tens plus 1 ten is 10 tens. I can bundle again to make 1 hundred! I show the hundred using new groups below again.

$$\begin{array}{r} 137 \\ + 63 \\ \hline 200 \end{array}$$

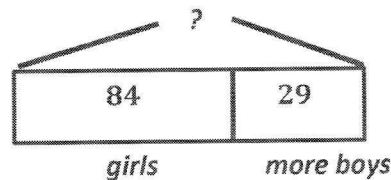
Last, I add the hundreds. There are 2 hundreds.

2. Eighty-four girls attended swim school. Twenty-nine more boys attended than girls.  
 a. How many boys attended swim school?



$$\begin{array}{r} 84 \\ + 29 \\ \hline 113 \end{array}$$

Or I could use my place value disks to set up for addition with renaming. I can show 84 and 29 with disks and solve vertically.

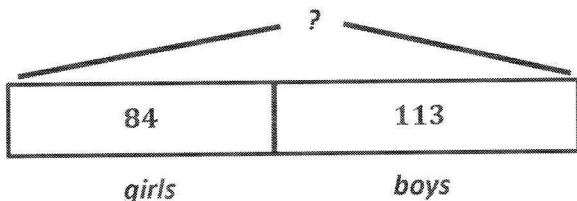


I can draw a tape diagram to represent the story. I can use the make ten strategy to solve! (See below.)

$$\begin{array}{r} 84 + 29 = \underline{\quad} \\ \swarrow \quad \searrow \\ 83 \quad 1 \\ 83 + 30 = 113 \end{array}$$

113 boys attended swim school.

- b. How many boys and girls attended swim school?



$$\begin{array}{r} 113 \\ + 84 \\ \hline 197 \end{array}$$

197 boys and girls attended swim school.

Now that I know the number of boys, I can add the girls and boys together to find the total. I can show my work using the vertical method.