

G2-M4-Lesson 7

1. Solve the following problems using the vertical form, your place value chart, and place value disks. Bundle a ten, if needed. Think about which ones you can solve mentally, too!

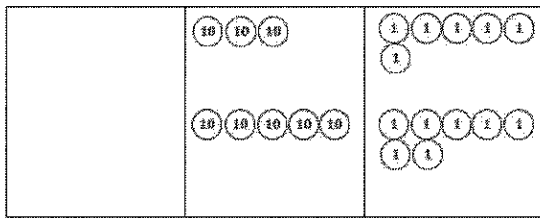
a. $33 + 7 = 40$

I can solve this one mentally! I know 3 ones plus 7 ones is 1 ten, and 30 plus 10 is 40.

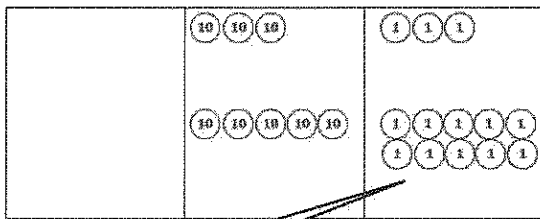
b. $36 + 57 = 93$

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

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

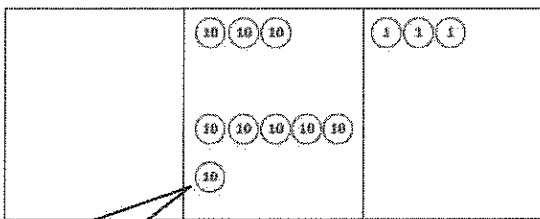


$$\begin{array}{r} 36 \\ + 57 \\ \hline \end{array}$$



$$\begin{array}{r} 36 \\ + 57 \\ \hline 13 \end{array}$$

I have 13 ones, or 1 ten 3 ones. I show the ten, using new groups below, on the line below the tens place.



$$\begin{array}{r} 36 \\ + 57 \\ \hline 93 \end{array}$$

Now I just add the tens! 3 tens plus 5 tens is 8 tens, and 1 more ten is 9 tens. So 36 plus 57 is 93.

I made a ten!

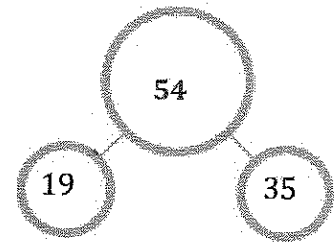
10 ones is 1 ten!

2. Add the bottom numbers to find the missing number above it.

| | | |
|--|----------|--|
| | 10 | |
| | 10 10 10 | |

| |
|-----------|
| 1 1 1 1 1 |
| 1 1 1 1 |
| 1 1 2 1 1 |

| | |
|---|-----|
| 1 | 9 |
| + | 3 5 |
| — | 1 |
| 5 | 4 |



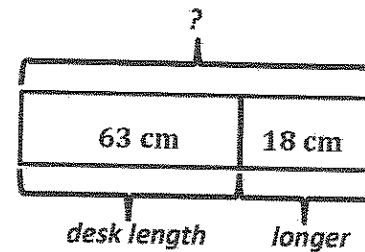
$$\begin{array}{r} 19 + 35 = 54 \\ / \\ 1 \ 34 \end{array}$$

I can solve using my place value disks and vertical form or the make ten strategy!

3. Jen's ribbon is 18 centimeters longer than her desk. The length of her desk is 63 centimeters.
- a. What is the length of Jen's ribbon?

| | | |
|--|----------------|--|
| | 10 | |
| | 10 10 10 10 10 | |
| | 10 | |

| |
|-----------|
| 1 1 1 1 1 |
| 1 1 1 |
| 1 1 1 |



| | | |
|--|----------------|--|
| | 10 | |
| | 10 10 10 10 10 | |
| | 10 | |
| | 10 | |
| | 10 | |

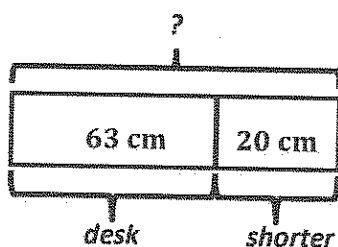
| |
|-----------|
| 1 1 1 1 1 |
| 1 1 1 1 1 |
| 1 1 1 1 1 |
| 1 |

$$\begin{array}{r} 1 \ 8 \\ + \ 6 \ 3 \\ \hline 1 \\ 8 \ 1 \end{array}$$

I changed 10 ones for 1 ten!

Jen's ribbon is 81 centimeters.

- b. The length of Jen's desk is 20 centimeters shorter than the length of her teacher's desk. How long is her teacher's desk?



$$63 + 20 = 83$$

The teacher's desk is 83 centimeters long.