

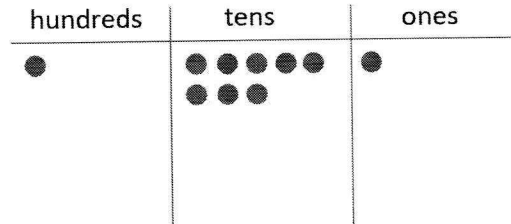
G2-M4-Lesson 15

1. Solve using the vertical form. Show the subtraction on the place value chart with chips. Exchange 1 ten for 10 ones, if necessary.

$$181 - 73$$

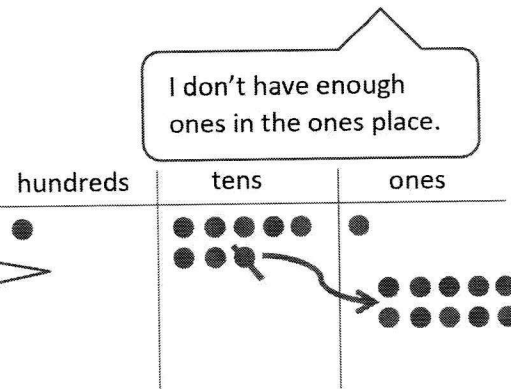
$$\begin{array}{r} 181 \\ - 73 \\ \hline \end{array}$$

Before I begin subtracting in vertical form, I have to get ready to subtract. I need to check each place to be sure I have enough!



$$\begin{array}{r} 711 \\ 181 \\ - 73 \\ \hline \end{array}$$

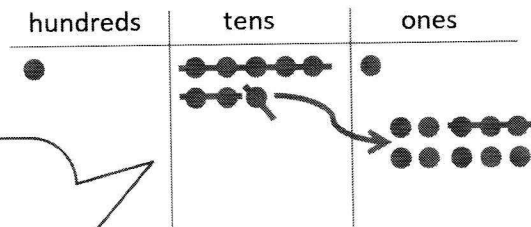
I unbundle a ten as 10 ones. I remember to show this change in vertical form.



I don't have enough ones in the ones place.

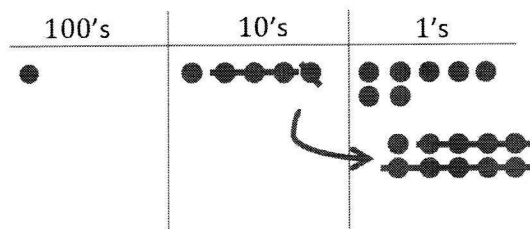
$$\begin{array}{r} 711 \\ 181 \\ - 73 \\ \hline 108 \end{array}$$

I'm ready to subtract.  
 11 ones - 3 ones = 8 ones.  
 7 tens - 7 tens = 0 tens.  
 1 hundred - 0 hundreds = 1 hundred.  
 1 hundred 8 ones is 108.



2. Maya solved  $157 - 39$  vertically and on her place value chart. Explain what Maya did correctly and what she needs to fix.

$$\begin{array}{r} 17 \\ 157 \\ - 39 \\ \hline 128 \end{array}$$



- a. Maya correctly models the problem on the place value chart. She shows the whole, 157, and then she decomposes 1 ten as 10 ones. She changes the model to show 1 hundred 4 tens 17 ones. After she crosses off 3 tens 9 ones, the model shows the correct answer, 118.
- b. Maya needs to fix the vertical form. She forgot to draw the magnifying glass, which would have reminded her to look carefully to set the problem up for subtraction. She didn't show the change in the tens place, so she subtracted 3 tens from 5 tens, instead of subtracting from 4 tens. That's why she got the wrong answer, 128.