

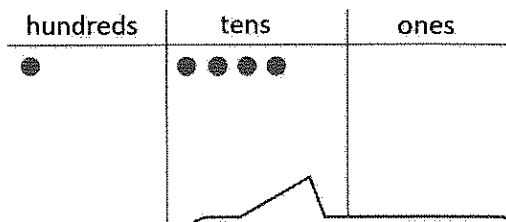
## G2-M4-Lesson 14

1. Solve by writing the problem vertically. Check your result by drawing chips on the place value chart. Change 1 ten for 10 ones, when needed.

$$140 - 12 = \underline{128}$$

$$\begin{array}{r} 140 \\ - 12 \\ \hline \end{array}$$

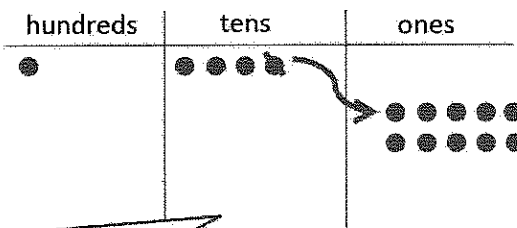
I draw the magnifying glass so I remember to set the problem up to subtract.



I draw chips to show the whole, 140, on my place value chart.

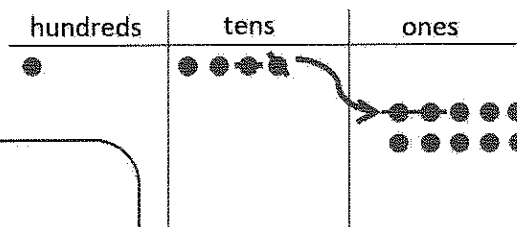
$$\begin{array}{r} 3 \ 10 \\ 140 \\ - 12 \\ \hline \end{array}$$

I can't subtract 2 ones from 0 ones, so I need to unbundle a ten. I show how I decompose 1 ten into 10 ones on my place value chart and in vertical form. Now I have 1 hundred 3 tens 10 ones.



$$\begin{array}{r} 3 \ 10 \\ 140 \\ - 12 \\ \hline 128 \end{array}$$

Now I'm ready to subtract.  
 $10 \text{ ones} - 2 \text{ ones} = 8 \text{ ones.}$   
 $3 \text{ tens} - 1 \text{ ten} = 2 \text{ tens.}$   
 $1 \text{ hundred} - 0 \text{ hundreds} = 1 \text{ hundred.}$   
 1 hundred 2 tens 8 ones is 128.



2. Solve and show your work. Draw a place value chart and chips, if needed.

a. Ana has 173 marbles. She has 27 more than Rico. How many marbles does Rico have?

Since Ana has more, her bar is longer than Rico's.

A 173

R ?

27  
more

This space shows how much more Ana has than Rico.

I know the whole and one part. I can use the vertical form to subtract to find the missing part.

	6	13
1	7	<del>3</del>
-	2	7
<hr/>		
1	4	6

I need to unbundle a ten. Now I have 1 hundred 6 tens 13 ones. I'm ready to subtract.

*Rico has 146 marbles.*

b. Rico gives 18 of his marbles to Diana. How many marbles does Rico have left?

I can draw a single bar to show the total number of Rico's marbles.

146

18 gives      ? left

I can use the vertical form to subtract and solve.

	3	16
1	<del>4</del>	<del>6</del>
-	1	8
<hr/>		
1	2	8

*Rico has 128 marbles left.*

Rico gives this part, 18, to Diana.

The other part is what Rico has left.