

G2-M4-Lesson 25

1. Solve the following problems using the vertical form, your place value chart, and place value disks. Unbundle a ten or hundred when necessary. Show your work for each problem.

$173 - 87 = \underline{\quad 86}$

I draw my magnifying glass around the total, so I look closely at the whole number.

$\begin{array}{r} 173 \\ - 87 \\ \hline \end{array}$

What I do with disks, I need to do in the vertical form.

$\begin{array}{r} 16\ 13 \\ 173 \\ - 87 \\ \hline 86 \end{array}$

I only have 6 tens. That's not enough to subtract 8 tens. I can change 1 hundred for 10 tens.

Now I have 16 tens and 13 ones. I am ready to subtract!
 $13 \text{ ones} - 7 \text{ ones} = 6 \text{ ones.}$
 $16 \text{ tens} - 8 \text{ tens} = 8 \text{ tens.}$
 8 tens 6 ones is 86.

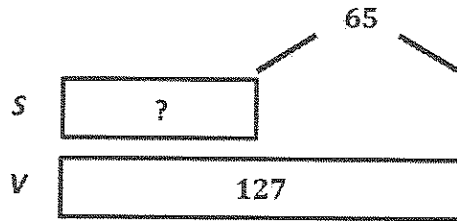
I can't subtract 7 ones from 3 ones. I need to unbundle a ten.

Now I have 13 ones. That's enough to subtract 7 ones.

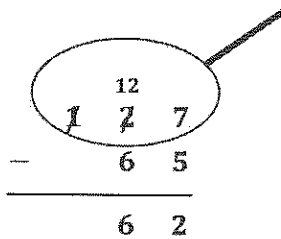
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2. Vazyl has \$127. He has \$65 more than Sergio. How much money does Sergio have?



$$127 - 65 = ?$$



I can use the vertical method to figure out how much money Sergio has. I only have to unbundle the hundred because there are enough ones to subtract.

$$7 \text{ ones} - 5 \text{ ones} = 2 \text{ ones.}$$

$$12 \text{ tens} - 6 \text{ tens} = 6 \text{ tens.}$$

6 tens 2 ones is 62.

Sergio has 62 dollars.

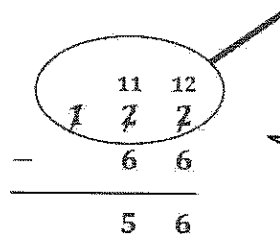
3. Which problem will have the same answer as $122 - 66$? Show your work.

a. $144 - 55$

b. $126 - 62$

c. $166 - 22$

d. $144 - 88$



I can use the vertical form to solve $122 - 66$.

But I also know another strategy. If I add 22 to both numbers, the difference doesn't change. So, $122 + 22 = 144$. And $66 + 22 = 88$. That means $144 - 88 = 56$. I remember this; it's called compensation!

