

G2-M5-Lesson 13

I can use $180 - 30$ to help me solve $180 - 29$. Since the difference in the first problem is 150, the difference in the second problem must be 1 more than 150 because I am subtracting 1 less.

1. Solve using mental math.

$8 - 3 = \underline{5}$

$80 - 30 = \underline{50}$

$180 - 30 = \underline{150}$

$180 - 29 = \underline{151}$

2. Solve using mental math or vertical form with place value disks. Check your work using addition.

a. $223 - 121 = \underline{102}$

I can use mental math to solve because there's no renaming. I just subtract like units. $200 - 100 = 100$, $20 - 20 = 0$, and $3 - 1 = 2$. $100 + 2 = 102$, so $223 - 121 = 102$. I can check my work by adding: $102 + 121 = 223$.

b. $378 - 119 = \underline{259}$

I can solve this one mentally, too, using compensation. If I add 1 to each number, I make a problem that's easier to solve, $379 - 120$. There's no renaming, so I just subtract like units. The answer is 259.

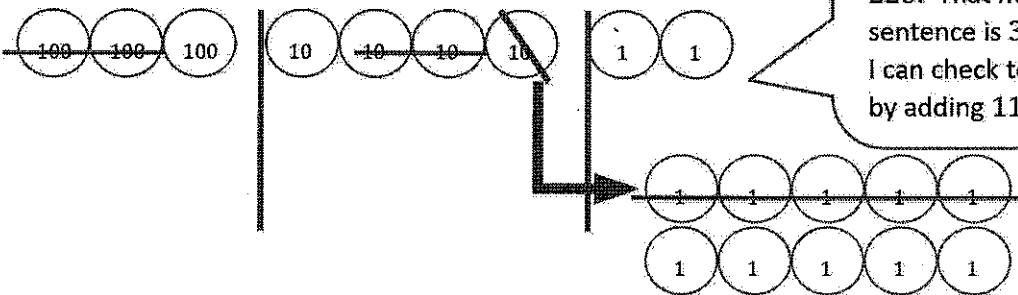
+1	378
----	-----

+1	119
----	-----

$$\begin{array}{r} 259 \\ + 119 \\ \hline 378 \end{array}$$

I know that part plus part equals whole, so if I'm right, $259 + 119$ must equal 378. When I check my work, I see that I'm right!

3. Complete the number sentence modeled by place value disks.



The model shows the whole, 342. 2 hundreds 2 tens 5 ones are crossed off. That's 225. That means the number sentence is $342 - 225 = 117$. I can check to see if I'm right by adding 117 and 225.

$342 - 225 = 117$

$$\begin{array}{r} 117 \\ + 225 \\ \hline 342 \end{array}$$