G4-M1-Lesson 14

1. Use the standard algorithm to solve the following subtraction problems.

a.

$$\begin{array}{r} {\scriptstyle 15} \\ {\scriptstyle 1\ \ 5\ \ 12\ \ 4\ \ 14} \\ 2\ \ 6\ \ 2,\ \ 5\ \ 4\ \ 7 \\ -\quad 8\ \ 5,\ \ 3\ \ 6\ \ 2 \\ \hline 1\ \ 7\ \ 7,\ \ 1\ \ 8\ \ 5 \end{array}$$

Am I ready to subtract? No! I don't have enough tens, thousands, or ten thousands.

After decomposing, I'm ready to subtract!

b.

$$\begin{array}{r} {\scriptstyle 9} \\ {\scriptstyle 5\ \ 15\ \ 6\ \ 10\ \ 10} \\ 6\ \ 5\ \ 7,\ \ 0\ \ 0\ \ 8 \\ -\ 5\ \ 7\ \ 6,\ \ 3\ \ 4\ \ 3 \\ \hline 8\ \ 0,\ \ 6\ \ 6\ \ 5 \end{array}$$

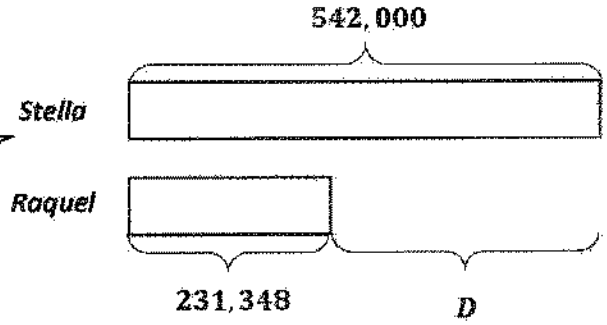
There are not enough tens to subtract 4 tens.

Once my values are greater in every place, I'm ready to subtract.

Draw a tape diagram to represent the following problem. Use numbers to solve, and write your answer as a statement. Check your answer.

2. Stella had 542,000 visits to her website. Raquel had 231,348 visits to her website. How many more visits did Stella have than Raquel?

I draw a tape diagram. Stella had more visits, and so her tape is longer.



$D = 542,000 - 231,348$

$D = 310,652$

$$\begin{array}{r} {\scriptstyle 9\ \ 9} \\ {\scriptstyle 1\ \ 10\ \ 10\ \ 10} \\ 5\ \ 4\ \ 2,\ \ 0\ \ 0\ \ 0 \\ -\ 2\ \ 3\ \ 1,\ \ 3\ \ 4\ \ 8 \\ \hline 3\ \ 1\ \ 0,\ \ 6\ \ 5\ \ 2 \end{array}$$

$$\begin{array}{r} 3\ \ 1\ \ 0,\ \ 6\ \ 5\ \ 2 \\ +\ 2\ \ 3\ \ 1,\ \ 3\ \ 4\ \ 8 \\ \hline {\scriptstyle 1\ \ 1\ \ 1} \\ 5\ \ 4\ \ 2,\ \ 0\ \ 0\ \ 0 \end{array}$$

Stella had 310,652 more visits than Raquel.

I check my answer with addition. My answer is correct!