

Name Jack

Date _____

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

a.
$$\begin{array}{r} ^3 ^{16} \\ 2,460 \\ -1,370 \\ \hline 1,090 \end{array}$$

b.
$$\begin{array}{r} ^1 ^{13} ^{16} \\ 2,460 \\ -1,470 \\ \hline 990 \end{array}$$

c.
$$\begin{array}{r} ^8 ^8 ^{16} \\ 97,684 \\ -49,700 \\ \hline 47,984 \end{array}$$

d.
$$\begin{array}{r} ^1 ^{13} ^{15} ^{10} \\ 2,460 \\ -1,472 \\ \hline 988 \end{array}$$

e.
$$\begin{array}{r} ^0 ^{12} ^2 ^9 ^{16} \\ 124,306 \\ -31,117 \\ \hline 93,189 \end{array}$$

f.
$$\begin{array}{r} ^6 ^{16} ^{17} ^{14} \\ 97,684 \\ -4,705 \\ \hline 92,979 \end{array}$$

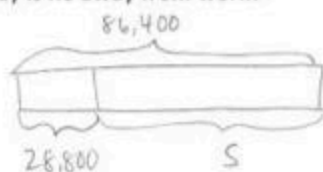
g.
$$\begin{array}{r} ^3 ^9 ^9 ^{16} \\ 124,006 \\ -121,117 \\ \hline 2,889 \end{array}$$

h.
$$\begin{array}{r} ^8 ^{16} ^{16} ^{14} \\ 97,684 \\ -47,705 \\ \hline 49,979 \end{array}$$

i.
$$\begin{array}{r} ^8 ^{12} ^3 ^{10} ^{10} \\ 124,060 \\ -31,117 \\ \hline 92,943 \end{array}$$

Directions: Draw a tape diagram to represent each problem. Use numbers to solve and write your answer as a statement. Check your answers.

2. There are 86,400 seconds in one day. If Mr. Liegel is at work for 28,800 seconds a day, how many seconds a day is he away from work?

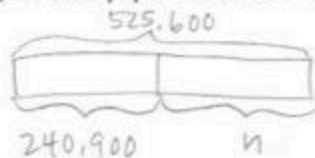


$$\begin{array}{r} ^7 ^{15} ^{14} \\ 86,400 \\ -28,800 \\ \hline 57,600 \end{array}$$

$$\begin{array}{r} \text{check} \\ 28,800 \\ + 57,600 \\ \hline 86,400 \checkmark \end{array}$$

Mr. Liegel is away from work 57,600 seconds.

3. A newspaper company delivered 240,900 newspapers before 6 a.m. on Sunday. There were a total of 525,600 newspapers to deliver. How many more newspapers needed to be delivered on Sunday?

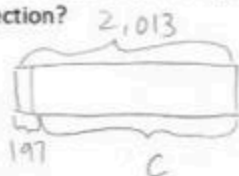


$$\begin{array}{r} 4 \ 12 \ 4 \ 16 \\ 525,600 \\ - 240,900 \\ \hline 284,700 \end{array}$$

$$\begin{array}{r} \text{check} \\ 240,900 \\ + 284,700 \\ \hline 525,600 \checkmark \end{array}$$

284,700 more newspapers needed to be delivered on Sunday.

4. A theater holds a total of 2,013 chairs. 197 chairs are in the VIP section. How many chairs are not in the VIP section?

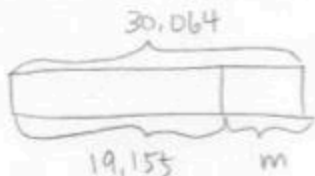


$$\begin{array}{r} 9 \ 10 \\ 2,013 \\ - 197 \\ \hline 1,816 \end{array}$$

$$\begin{array}{r} \text{check} \\ 1,816 \\ + 197 \\ \hline 2,013 \checkmark \end{array}$$

1,816 chairs are not in the VIP section.

5. Chuck's mom spent \$19,155 on a new car. She had \$30,064 in her bank account. How much money does Chuck's mom have after buying the car?



$$\begin{array}{r} 2 \ 9 \ 10 \ 5 \ 14 \\ 30,064 \\ - 19,155 \\ \hline 10,909 \end{array}$$

$$\begin{array}{r} \text{check} \\ 19,155 \\ + 10,909 \\ \hline 30,064 \checkmark \end{array}$$

Chuck's mom has \$10,909 after buying the car.



COMMON
CORE

Lesson 14:

Date:

Use place value understanding to decompose to smaller units up to three times using the standard subtraction algorithm, and apply the algorithm to solve word problems using tape diagrams.

4/20/13

engage^{ny}

1.E.8