Name _____   Date _____

1. Solve the addition problems below using the standard algorithm.

a.
$$
\begin{array}{r}
7,909 \\
+1,044 \\
\hline
8,953
\end{array}
$$

b.
$$
\begin{array}{r}
27,909 \\
+9,740 \\
\hline
37,649
\end{array}
$$

c.
$$
\begin{array}{r}
827,909 \\
+42,989 \\
\hline
870,898
\end{array}
$$

d.
$$
\begin{array}{r}
289,205 \\
+11,845 \\
\hline
301,050
\end{array}
$$

e.
$$
\begin{array}{r}
547,982 \\
+114,849 \\
\hline
662,831
\end{array}
$$

f.
$$
\begin{array}{r}
258,983 \\
+121,897 \\
\hline
380,880
\end{array}
$$

g.
$$
\begin{array}{r}
83,906 \\
+35,808 \\
\hline
119,714
\end{array}
$$

h.
$$
\begin{array}{r}
289,999 \\
+91,849 \\
\hline
381,848
\end{array}
$$

i.
$$
\begin{array}{r}
754,900 \\
+245,100 \\
\hline
1,000,000
\end{array}
$$

Directions: Draw a tape diagram to model the following problem. Use numbers and words to explain your work.

2. At the zoo, Brooke learned that one of rhinos weighed 4,897 pounds, one of the giraffes weighed 2,667 pounds, one of the African elephants weighed 12,456 pounds, and one of the Komodo dragons weighed 123 pounds.
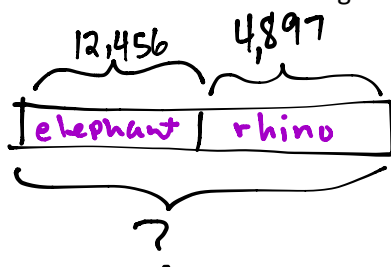
a. What is the combined weight of the zoo's African elephant and the giraffe?

12,456   2,667

| elephant | giraffe |

?
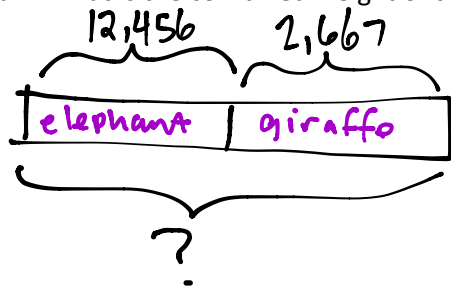
$$\begin{array}{r} 12,456 \\ +\ \ 2,667 \\ \hline 15,123 \end{array}$$

15,123 pounds

b. What is the combined weight of the zoo's African elephant and the rhino?

12,456   4,897

| elephant | rhino |

?

$$\begin{array}{r} 12,456 \\ +\ 4,897 \\ \hline 17,353 \end{array}$$

17,353 pounds

c. What is the combined weight of the zoo's African elephant, the rhino, and the giraffe?

12,456   4,897   2,667

| E | R | G |

?
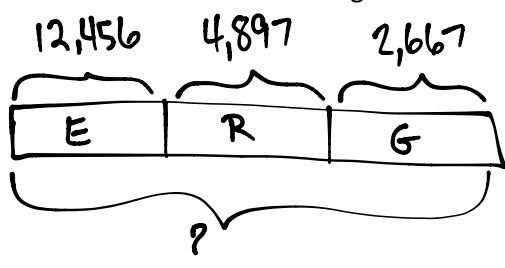
$$\begin{array}{r} 17353 \\ +\ \ 2667 \\ \hline 20,020 \end{array}$$

20,020 pounds

d. What is the combined weight of the zoo's Komodo dragon and the rhino?

123   4,897

| K | R |

?
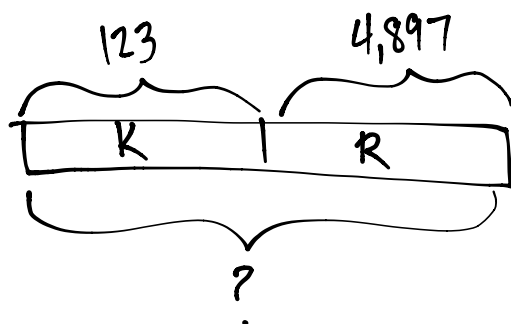
$$\begin{array}{r} 4897 \\ +\ \ 123 \\ \hline 5020 \end{array}$$

5,020 pounds

COMMON CORE

Lesson 11:   Use place value understanding to fluently add multi-digit whole numbers using the standard addition algorithm and apply the algorithm to solve word problems using tape diagrams.

Date: 6/28/13

engage^ny   **1.D.13**