Subtract Greatest Numbers

You can use place-value charts to subtract.

Estimate. Then find the difference:

   2,833
-   175

Estimate : 2,833   →   2,800
          −   175   → −   200
                      2,600

STEP 1 Subtract the ones. Regroup if necessary.

Thousands	Hundreds	Tens	Ones
		2	13
2,	8	3	3
−	1	7	5
			8

STEP 2 Subtract the tens. Regroup if necessary.

Thousands	Hundreds	Tens	Ones
	7	12	
2,	8	3	3
−	1	7	5
		5	8

STEP 3 Subtract the hundreds. Regroup if necessary.

Thousands	Hundreds	Tens	Ones
	7		
2,	8	3	3
-	1	7	5
	6	5	8

STEP 4 Subtract the thousands.

Thousands	Hundreds	Tens	Ones
2,	8	3	3
	1	7	5
2	6	5	8

(−)

So, $2,833 - 175 = 2,658.$

Since 2,658 is close to the estimate of 2,600, the answer is reasonable.

Examples:

A- Estimate. Then find each difference.

1)

$$
\begin{array}{r}
5,867 \\
- 2,998 \\
\hline
2,868
\end{array}
\qquad
\begin{array}{r}
6,000 \\
- 3,000 \\
\hline
3,000
\end{array}
$$

2)

$$
\begin{array}{r}
1,632 \\
- 546 \\
\hline
1,086
\end{array}
\qquad
\begin{array}{r}
2,000 \\
- 500 \\
\hline
1,500
\end{array}
$$

3)

$$
\begin{array}{r}
4,710 \\
- 2,547 \\
\hline
2,163
\end{array}
\qquad
\begin{array}{r}
5,000 \\
- 3,000 \\
\hline
2,000
\end{array}
$$

4)

$$
\begin{array}{r}
2,519 \\
- 1,400 \\
\hline
1,119
\end{array}
\qquad
\begin{array}{r}
3,000 \\
- 1,000 \\
\hline
2,000
\end{array}
$$

My Real Life

A car show had 559 visitors. Of the visitors, 165 were children and the rest were adults. How many of the visitors were adults?

$$559 - 165 = 394 \text{ visitors}$$

Grade 3