

Assessment : Section D Checkpoint

Problem 1

Goals Assessed

- Use the standard algorithm to add and subtract multi-digit whole numbers within 1 million that may require composition or decomposition.

Statement

Find the value of each sum or difference:

$$\begin{array}{r} 26,594 \\ + 6,723 \\ \hline \end{array}$$

$$\begin{array}{r} 357,168 \\ - 258,429 \\ \hline \end{array}$$

Solution

$$\begin{array}{r} 1 \quad 1 \quad 1 \\ 26,594 \\ + 6,723 \\ \hline 33,317 \end{array}$$

$$\begin{array}{r} 14 \quad 16 \\ 2 \quad 4 \quad 5 \quad 11 \quad 5 \quad 18 \\ \cancel{3} \quad \cancel{5} \quad \cancel{7} \quad \cancel{1} \quad \cancel{6} \quad \cancel{8} \\ - 258,429 \\ \hline 98,739 \end{array}$$

Problem 2

Goals Assessed

- Use the standard algorithm to subtract multi-digit whole numbers with non-zero digits from numbers that contain multiple zero digits.

Statement

Find the value of $100,058 - 86,249$. Show your reasoning.

Solution

13,809. Sample response:

$$\begin{array}{r}
 910 \\
 9\cancel{10} \\
 0\cancel{10} 418 \\
 \cancel{1}\cancel{0},0\cancel{5}\cancel{8} \\
 - 86,249 \\
 \hline
 13,809
 \end{array}$$