

Name: _____

Date: _____

Front-End Estimation

Estimate the sum or difference by using front-end estimation.

1.

$$\begin{array}{r} 48 \\ +23 \\ \hline \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{l} + \\ \hline \end{array}$$

2.

$$\begin{array}{r} 598 \\ -268 \\ \hline \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{l} - \\ \hline \end{array}$$

3.

$$\begin{array}{r} 83 \\ -34 \\ \hline \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{l} - \\ \hline \end{array}$$

4.

$$\begin{array}{r} 186 \\ +236 \\ \hline \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{l} + \\ \hline \end{array}$$

5.

$$\begin{array}{r} 469 \\ +166 \\ \hline \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{l} + \\ \hline \end{array}$$

6.

$$\begin{array}{r} 37 \\ -12 \\ \hline \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{l} - \\ \hline \end{array}$$

7.

$$\begin{array}{r} 459 \\ -232 \\ \hline \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{l} - \\ \hline \end{array}$$

8.

$$\begin{array}{r} 875 \\ -568 \\ \hline \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{l} - \\ \hline \end{array}$$

9.

$$\begin{array}{r} 78 \\ -62 \\ \hline \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{l} - \\ \hline \end{array}$$

10.

$$\begin{array}{r} 137 \\ +168 \\ \hline \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{l} + \\ \hline \end{array}$$

11.

$$\begin{array}{r} 459 \\ +362 \\ \hline \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{l} + \\ \hline \end{array}$$

12.

$$\begin{array}{r} 62 \\ -37 \\ \hline \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{l} - \\ \hline \end{array}$$

Name: _____

Date: _____

Front-End Estimation

Estimate the sum or difference by using front-end estimation.

1.

$$\begin{array}{r} 48 \\ +23 \\ \hline \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{r} 50 \\ +20 \\ \hline 70 \end{array}$$

2.

$$\begin{array}{r} 598 \\ - 268 \\ \hline \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{r} 600 \\ - 300 \\ \hline 300 \end{array}$$

3.

$$\begin{array}{r} 83 \\ - 34 \\ \hline \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{r} 80 \\ - 30 \\ \hline 50 \end{array}$$

4.

$$\begin{array}{r} 186 \\ +236 \\ \hline \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{r} 200 \\ +200 \\ \hline 400 \end{array}$$

5.

$$\begin{array}{r} 469 \\ +166 \\ \hline \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{r} 500 \\ +200 \\ \hline 700 \end{array}$$

6.

$$\begin{array}{r} 37 \\ - 12 \\ \hline \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{r} 40 \\ - 10 \\ \hline 30 \end{array}$$

7.

$$\begin{array}{r} 459 \\ -232 \\ \hline \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{r} 500 \\ +200 \\ \hline 700 \end{array}$$

8.

$$\begin{array}{r} 875 \\ - 568 \\ \hline \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{r} 900 \\ - 600 \\ \hline 300 \end{array}$$

9.

$$\begin{array}{r} 78 \\ - 62 \\ \hline \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{r} 80 \\ - 60 \\ \hline 20 \end{array}$$

10.

$$\begin{array}{r} 137 \\ +168 \\ \hline \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{r} 100 \\ +200 \\ \hline 300 \end{array}$$

11.

$$\begin{array}{r} 459 \\ +362 \\ \hline \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{r} 500 \\ +400 \\ \hline 900 \end{array}$$

12.

$$\begin{array}{r} 62 \\ - 37 \\ \hline \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{r} 60 \\ - 40 \\ \hline 20 \end{array}$$