



# Front - End Estimation

Name \_\_\_\_\_

Score \_\_\_\_\_

EN:23

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

$$\begin{array}{r} 1) \quad 997 \quad \longrightarrow \quad \mathbf{1,000} \\ - 375 \quad \longrightarrow \quad - \quad \mathbf{400} \\ \hline \mathbf{600} \end{array}$$

$$\begin{array}{r} 2) \quad 51 \quad \longrightarrow \\ - 12 \quad \longrightarrow \quad - \quad \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 3) \quad 24,098 \quad \longrightarrow \\ + 39,223 \quad \longrightarrow \quad + \quad \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 4) \quad 1,643 \quad \longrightarrow \\ + 2,105 \quad \longrightarrow \quad + \quad \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 5) \quad 7,032 \quad \longrightarrow \\ - 429 \quad \longrightarrow \quad - \quad \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 6) \quad 42,004 \quad \longrightarrow \\ - 6,677 \quad \longrightarrow \quad - \quad \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 7) \quad 36 \quad \longrightarrow \\ + 71 \quad \longrightarrow \quad + \quad \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 8) \quad 64 \quad \longrightarrow \\ + 523 \quad \longrightarrow \quad + \quad \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 9) \quad 8,206 \quad \longrightarrow \\ - 1,435 \quad \longrightarrow \quad - \quad \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 10) \quad 91,887 \quad \longrightarrow \\ - 75,559 \quad \longrightarrow \quad - \quad \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 11) \quad 83 \quad \longrightarrow \\ + 54 \quad \longrightarrow \quad + \quad \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 12) \quad 669 \quad \longrightarrow \\ + 452 \quad \longrightarrow \quad + \quad \underline{\hspace{2cm}} \end{array}$$



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## Answer key

EN:23

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

$$\begin{array}{r} 1) \quad 997 \longrightarrow 1,000 \\ - 375 \longrightarrow - 400 \\ \hline 600 \end{array}$$

$$\begin{array}{r} 2) \quad 51 \longrightarrow 50 \\ - 12 \longrightarrow - 10 \\ \hline 40 \end{array}$$

$$\begin{array}{r} 3) \quad 24,098 \longrightarrow 20,000 \\ + 39,223 \longrightarrow + 40,000 \\ \hline 60,000 \end{array}$$

$$\begin{array}{r} 4) \quad 1,643 \longrightarrow 2,000 \\ + 2,105 \longrightarrow + 2,000 \\ \hline 4,000 \end{array}$$

$$\begin{array}{r} 5) \quad 7,032 \longrightarrow 7,000 \\ - 429 \longrightarrow - 400 \\ \hline 6,600 \end{array}$$

$$\begin{array}{r} 6) \quad 42,004 \longrightarrow 40,000 \\ - 6,677 \longrightarrow - 7,000 \\ \hline 33,000 \end{array}$$

$$\begin{array}{r} 7) \quad 36 \longrightarrow 40 \\ + 71 \longrightarrow + 70 \\ \hline 110 \end{array}$$

$$\begin{array}{r} 8) \quad 64 \longrightarrow 60 \\ + 523 \longrightarrow + 500 \\ \hline 560 \end{array}$$

$$\begin{array}{r} 9) \quad 8,206 \longrightarrow 8,000 \\ - 1,435 \longrightarrow - 1,000 \\ \hline 7,000 \end{array}$$

$$\begin{array}{r} 10) \quad 91,887 \longrightarrow 90,000 \\ - 75,559 \longrightarrow - 80,000 \\ \hline 10,000 \end{array}$$

$$\begin{array}{r} 11) \quad 83 \longrightarrow 80 \\ + 54 \longrightarrow + 50 \\ \hline 130 \end{array}$$

$$\begin{array}{r} 12) \quad 669 \longrightarrow 700 \\ + 452 \longrightarrow + 500 \\ \hline 1,200 \end{array}$$