



# Front - End Estimation

Name \_\_\_\_\_

Score \_\_\_\_\_

EN:24

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

$$\begin{array}{r} 1) \quad 421 \longrightarrow \quad \quad \quad \mathbf{400} \\ + 2,546 \longrightarrow + \quad \quad \mathbf{3,000} \\ \hline \mathbf{3,400} \end{array}$$

$$\begin{array}{r} 2) \quad 39,013 \longrightarrow \\ - 6,805 \longrightarrow - \quad \quad \quad \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 3) \quad 948 \longrightarrow \\ - 54 \longrightarrow - \quad \quad \quad \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 4) \quad 39 \longrightarrow \\ + 72 \longrightarrow + \quad \quad \quad \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 5) \quad 16,205 \longrightarrow \\ + 10,998 \longrightarrow + \quad \quad \quad \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 6) \quad 888 \longrightarrow \\ - 464 \longrightarrow - \quad \quad \quad \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 7) \quad 3,729 \longrightarrow \\ + 5,907 \longrightarrow + \quad \quad \quad \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 8) \quad 71 \longrightarrow \\ - 12 \longrightarrow - \quad \quad \quad \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 9) \quad 6,865 \longrightarrow \\ - 924 \longrightarrow - \quad \quad \quad \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 10) \quad 286 \longrightarrow \\ + 695 \longrightarrow + \quad \quad \quad \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 11) \quad 123 \longrightarrow \\ + 69 \longrightarrow + \quad \quad \quad \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 12) \quad 83,348 \longrightarrow \\ - 52,001 \longrightarrow - \quad \quad \quad \underline{\hspace{2cm}} \end{array}$$



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## Answer key

EN:24

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

$$\begin{array}{r} 1) \quad 421 \longrightarrow 400 \\ + 2,546 \longrightarrow + 3,000 \\ \hline 3,400 \end{array}$$

$$\begin{array}{r} 2) \quad 39,013 \longrightarrow 40,000 \\ - 6,805 \longrightarrow - 7,000 \\ \hline 33,000 \end{array}$$

$$\begin{array}{r} 3) \quad 948 \longrightarrow 900 \\ - 54 \longrightarrow - 50 \\ \hline 850 \end{array}$$

$$\begin{array}{r} 4) \quad 39 \longrightarrow 40 \\ + 72 \longrightarrow + 70 \\ \hline 110 \end{array}$$

$$\begin{array}{r} 5) \quad 16,205 \longrightarrow 17,000 \\ + 10,998 \longrightarrow + 10,000 \\ \hline 27,000 \end{array}$$

$$\begin{array}{r} 6) \quad 888 \longrightarrow 900 \\ - 464 \longrightarrow - 500 \\ \hline 400 \end{array}$$

$$\begin{array}{r} 7) \quad 3,729 \longrightarrow 4,000 \\ + 5,907 \longrightarrow + 6,000 \\ \hline 10,000 \end{array}$$

$$\begin{array}{r} 8) \quad 71 \longrightarrow 70 \\ - 12 \longrightarrow - 10 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 9) \quad 6,865 \longrightarrow 7,000 \\ - 924 \longrightarrow - 900 \\ \hline 6,100 \end{array}$$

$$\begin{array}{r} 10) \quad 286 \longrightarrow 300 \\ + 695 \longrightarrow + 700 \\ \hline 1,000 \end{array}$$

$$\begin{array}{r} 11) \quad 123 \longrightarrow 100 \\ + 69 \longrightarrow + 70 \\ \hline 170 \end{array}$$

$$\begin{array}{r} 12) \quad 83,348 \longrightarrow 80,000 \\ - 52,001 \longrightarrow - 50,000 \\ \hline 30,000 \end{array}$$