

Estimating sums and differences



Round the numbers to the leading digit. Estimate the sum or difference.

$$\begin{array}{r} 3,576 \rightarrow 4,000 \\ + 1,307 \rightarrow +1,000 \\ \hline \text{is about } \underline{5,000} \end{array}$$

$$\begin{array}{r} 198,248 \rightarrow 200,000 \\ - 116,431 \rightarrow -1,00,000 \\ \hline \text{is about } \underline{100,000} \end{array}$$

Round the numbers to the leading digit. Estimate the sum or difference.

$$\begin{array}{r} 685 \rightarrow \\ + 489 \rightarrow \\ \hline \text{is about } \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 21,481 \rightarrow \\ - 12,500 \rightarrow \\ \hline \text{is about } \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 7,834 \rightarrow \\ + 3,106 \rightarrow \\ \hline \text{is about } \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 682,778 \rightarrow \\ + 130,001 \rightarrow \\ \hline \text{is about } \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 58,499 \rightarrow \\ - 22,135 \rightarrow \\ \hline \text{is about } \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 902,276 \rightarrow \\ - 615,999 \rightarrow \\ \hline \text{is about } \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 46,801 \rightarrow \\ + 34,700 \rightarrow \\ \hline \text{is about } \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 9,734 \rightarrow \\ - 8,306 \rightarrow \\ \hline \text{is about } \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 65,606 \rightarrow \\ + 85,943 \rightarrow \\ \hline \text{is about } \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 5,218 \rightarrow \\ - 3,673 \rightarrow \\ \hline \text{is about } \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 745 \rightarrow \\ + 451 \rightarrow \\ \hline \text{is about } \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 337,297 \rightarrow \\ - 168,931 \rightarrow \\ \hline \text{is about } \underline{\hspace{2cm}} \end{array}$$

Write < or > for each problem.

$329 + 495 \quad \square \quad 800$

$11,569 - 6,146 \quad \square \quad 6,000$

$563 - 317 \quad \square \quad 300$

$8,193 - 6,668 \quad \square \quad 1,000$

$41,924 - 12,445 \quad \square \quad 50,000$

$634,577 + 192,556 \quad \square \quad 800,000$

$18,885 + 12,691 \quad \square \quad 30,000$

$713,096 - 321,667 \quad \square \quad 400,000$

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Round the numbers to the leading digit. Estimate the sum or difference.

$$\begin{array}{r} 3,576 \rightarrow 4,000 \\ + 1,307 \rightarrow +1,000 \\ \hline \text{is about } \underline{5,000} \end{array}$$

$$\begin{array}{r} 198,248 \rightarrow 200,000 \\ - 116,431 \rightarrow -100,000 \\ \hline \text{is about } \underline{100,000} \end{array}$$

Round the numbers to the leading digit. Estimate the sum or difference.

$$\begin{array}{r} 685 \rightarrow 700 \\ + 489 \rightarrow +500 \\ \hline \text{is about } \underline{1,200} \end{array}$$

$$\begin{array}{r} 21,481 \rightarrow 20,000 \\ - 12,500 \rightarrow -10,000 \\ \hline \text{is about } \underline{10,000} \end{array}$$

$$\begin{array}{r} 7,834 \rightarrow 8,000 \\ + 3,106 \rightarrow +3,000 \\ \hline \text{is about } \underline{11,000} \end{array}$$

$$\begin{array}{r} 682,778 \rightarrow 700,000 \\ + 130,001 \rightarrow +100,000 \\ \hline \text{is about } \underline{800,000} \end{array}$$

$$\begin{array}{r} 58,499 \rightarrow 60,000 \\ - 22,135 \rightarrow -20,000 \\ \hline \text{is about } \underline{40,000} \end{array}$$

$$\begin{array}{r} 902,276 \rightarrow 900,000 \\ - 615,999 \rightarrow -600,000 \\ \hline \text{is about } \underline{300,000} \end{array}$$

$$\begin{array}{r} 46,801 \rightarrow 50,000 \\ + 34,700 \rightarrow +30,000 \\ \hline \text{is about } \underline{80,000} \end{array}$$

$$\begin{array}{r} 9,734 \rightarrow 10,000 \\ - 8,306 \rightarrow -8,000 \\ \hline \text{is about } \underline{2,000} \end{array}$$

$$\begin{array}{r} 65,606 \rightarrow 70,000 \\ + 85,943 \rightarrow +90,000 \\ \hline \text{is about } \underline{160,000} \end{array}$$

$$\begin{array}{r} 5,218 \rightarrow 5,000 \\ - 3,673 \rightarrow -4,000 \\ \hline \text{is about } \underline{1,000} \end{array}$$

$$\begin{array}{r} 745 \rightarrow 700 \\ + 451 \rightarrow +500 \\ \hline \text{is about } \underline{1,200} \end{array}$$

$$\begin{array}{r} 337,297 \rightarrow 300,000 \\ - 168,931 \rightarrow -200,000 \\ \hline \text{is about } \underline{100,000} \end{array}$$

Write < or > for each problem.

$$329 + 495 \quad > \quad 800$$

$$11,569 - 6,146 \quad < \quad 6,000$$

$$563 - 317 \quad < \quad 300$$

$$8,193 - 6,668 \quad > \quad 1,000$$

$$41,924 - 12,445 \quad < \quad 50,000$$

$$634,577 + 192,556 \quad > \quad 800,000$$

$$18,885 + 12,691 \quad > \quad 30,000$$

$$713,096 - 321,667 \quad < \quad 400,000$$

In section 2, children need to think about their estimates more carefully if the estimate is very close to the number on the right side of the equation. Have them look at the numbers in the next place to the right to adjust their estimates up or down.