

Name _____

Date _____

Estimating Sums (With Arrows)

Estimate first by rounding the numbers to the nearest hundred. Then calculate the exact answer.

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| <p>Estimation:</p> $\begin{array}{r} 7857 + 2851 \\ \downarrow \quad \downarrow \\ + \quad = \end{array}$ | <p>Reality:</p> $\begin{array}{r} 7857 \\ + 2851 \\ \hline \hline \end{array}$ |
|---|--|

First estimate the numbers by rounding the given numbers to the nearest hundred.

Estimating 7857 to the nearest hundred gives 7900. Estimating 2851 to the nearest hundred gives 2900.

Then add the estimated numbers to get the answer i.e.

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| <p>Estimation:</p> $\begin{array}{r} 7857 + 2851 \\ \downarrow \quad \downarrow \\ 7900 + 2900 = \end{array}$ | <p>Reality:</p> $\begin{array}{r} 7857 \\ + 2851 \\ \hline \hline \end{array}$ |
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Now to solve the second part of the problem, i.e. to find the actual sum, add the given numbers i.e.

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| <p>Estimation:</p> $\begin{array}{r} 7857 + 2851 \\ \downarrow \quad \downarrow \\ 7900 + 2900 = 10800 \end{array}$ | <p>Reality:</p> $\begin{array}{r} 7857 \\ + 2851 \\ \hline 10708 \end{array}$ |
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Practice Problems

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|---|--|--|---|--|--|
| 1 | <p>Estimation:</p> $\begin{array}{r} 8521 + 418 \\ \downarrow \quad \downarrow \\ + \quad = \end{array}$ | <p>Reality:</p> $\begin{array}{r} 8521 \\ + 418 \\ \hline \end{array}$ | 2 | <p>Estimation:</p> $\begin{array}{r} 9014 + 642 \\ \downarrow \quad \downarrow \\ + \quad = \end{array}$ | <p>Reality:</p> $\begin{array}{r} 9014 \\ + 642 \\ \hline \end{array}$ |
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