

Rounding Whole Numbers and Decimals

Find your number
Look next door

5 or more
Add one more

4 or less
Just ignore

Examples:

$$\begin{array}{r}
 \quad \overset{\curvearrowright}{37} \\
 \mathbf{1,2}37 \quad \text{----} \quad 1,000 \\
 + \quad \overset{\curvearrowright}{32} \\
 \mathbf{5,5}32 \quad \text{----} \quad \underline{6,000} \\
 32 \quad \quad 7,000
 \end{array}$$

Front-end Estimation:

Step 1: Add the front digits that have
Same place value together

$$\begin{array}{r}
 \mathbf{3},146 \\
 \mathbf{2},902 \\
 510 \\
 + \mathbf{2},495 \\
 \hline
 7,000 \text{ Rough estimate}
 \end{array}$$

Step 2: For greater precision, adjust by estimating
the digits to the right of the front digits.

$$\begin{array}{r}
 3, \mathbf{146} \quad \text{about} \\
 2, \mathbf{902} \quad \text{-- } 1,000 \\
 \mathbf{510} \quad \text{about} \\
 + \mathbf{2,295} \quad \text{-- } 1,000 \\
 \hline
 7,000 + 2,000 = \mathbf{9,000} \text{ adjusted} \\
 \text{estimate}
 \end{array}$$