

Use FRONT END estimation to add or subtract. Remember: in front end estimation, you keep the first digit, and change all other digits to ZERO

Front end estimation is NOT rounding!

Example	$3.18 + 9.62$	[Horizontal addition]	$3.18 \rightarrow 3.00$	[Vertical addition]
	$\downarrow \quad \downarrow$		$+ 9.62 \rightarrow 9.00$	
	$3.00 + 9.00 = 12.00$		12.00	

1. $4.22 + 6.41 =$
_____ + _____ = _____

2. $9.14 + 18.33 =$
_____ + _____ = _____

3. $24.51 \rightarrow$
 $+ 81.96 \rightarrow +$ _____

4. $11.11 \rightarrow$
 $+ 23.42 \rightarrow +$ _____

Use ROUNDING to estimate. Round to the nearest whole number.

A. $4.22 + 6.41 =$
_____ + _____ = _____

B. $24.51 \rightarrow$
 $+ 81.96 \rightarrow +$ _____

$$1. \quad \begin{array}{r} 6.41 \\ - 4.22 \\ \hline \end{array} =$$

$$2. \quad \begin{array}{r} 18.33 \\ - 9.14 \\ \hline \end{array} =$$

$$3. \quad \begin{array}{r} 81.96 \\ - 24.51 \\ \hline \end{array} \longrightarrow$$

$$4. \quad \begin{array}{r} 23.42 \\ - 11.11 \\ \hline \end{array} \longrightarrow$$

Use ROUNDING to estimate. Round to the nearest whole number.

$$A. \quad \begin{array}{r} 6.41 \\ - 4.22 \\ \hline \end{array} =$$

$$B. \quad \begin{array}{r} 81.96 \\ - 24.51 \\ \hline \end{array} \longrightarrow$$

Add or subtract:

$$\begin{array}{r} \text{A.) } 23.61 \\ + 19.35 \\ \hline \end{array}$$

$$\begin{array}{r} \text{B.) } 64.90 \\ - 16.12 \\ \hline \end{array}$$

$$\begin{array}{r} \text{C.) } 62.08 \\ + 22.64 \\ \hline \end{array}$$

$$\begin{array}{r} \text{D.) } 81.98 \\ - 10.42 \\ \hline \end{array}$$