

Name: Key

4th Grade Notes 2.5-6 Checking Addition and Subtraction Problems p. 87, 93

Estimating to check addition problems:

- 1.) Add regularly.
- 2.) Estimate each number to the highest place they both have, then add the estimated numbers.

Ex:

$$\begin{array}{r} 1 \uparrow \uparrow \\ 6,824 \\ + \quad 349 \\ \hline 7,173 \end{array}$$

$$\begin{array}{r} \text{check:} \\ '6,800 \\ + \quad 300 \\ \hline 7,100 \text{ (it's close)} \end{array}$$

★ If it's not close -
fix it!

Adding to check subtraction problems:

$$\begin{array}{r} 3,214 \text{ } \underline{\text{minuend}} \\ - \quad 957 \text{ } \underline{\text{subtrahend}} \\ \hline \text{ } \underline{\text{difference}} \end{array}$$

Ex:

$$\begin{array}{r} 2,414 \leftarrow \\ \begin{array}{r} 3,214 \\ - \quad 957 \\ \hline 2,257 \end{array} \left\{ \begin{array}{r} \text{check:} \\ 2,257 \\ + \quad 957 \\ \hline 3,214 \checkmark \end{array} \right. \\ \text{Same} \end{array}$$

- 1.) Subtract regularly.
- 2.) Add the difference and the subtrahend.
- 3.) The answer should equal the minuend.