



Long Division Error Analysis

Sally is a silly little girl who makes mistakes! In Column #1, analyze her work and circle her mistake. In Column #2, explain what she did wrong. In Column #3, show how Silly Sally should work out the problem correctly. Show ALL work!

Silly Sally's Work (Circle her mistake):	What did Silly Sally do wrong?	Show Silly Sally how it's done! (Show ALL steps!)
$\begin{array}{r} 212 \\ 12 \overline{)384} \\ \underline{-24} \\ 144 \\ \underline{-144} \\ 000 \end{array}$		
$\begin{array}{r} 86 \\ 10 \overline{)8600} \\ \underline{-80} \\ 60 \\ \underline{-60} \\ 00 \end{array}$		
$\begin{array}{r} 28 \frac{31}{10} \\ 31 \overline{)878} \\ \underline{-62} \\ 258 \\ \underline{-248} \\ 10 \end{array}$		

Long Division – What do Remainders Mean?

Remainders aren't just random numbers. They have value and meaning. In word problems, you are given context and so you must be able to interpret what the remainder represents.

Example #1:

Mickey is making bows for Minnie. Each bow needs 7 inches of ribbon. If he has 15 inches of ribbon, how many bows can he make?

Divide:
$$7 \overline{)15}$$

- Draw a picture of the problem:
- How many bows can Mickey make?
- What does the remainder represent?
- Did you have to round your answer up or down? Explain.

Example #2:

Goofy's favorite ride at the fair holds 7 people at a time. If 15 people are in line, how many times will the ride have to go for everyone in line to have a turn?

Divide:
$$7 \overline{)15}$$

- Draw a picture of the problem:
- How** many times does the ride go for everyone to ride?
- What does the remainder represent?
- Did you have to round your answer up or down? Explain.