5th Grade Assignment – Week #17

Group Assignment: *For Tuesday and Thursday*: (You decide what and how much to work on each day.)

- **Standard Long Division.**
  With each of the following long division problems, follow these instructions:
  - First determine how many digits the answer will have. For example, with the second problem below, 2904 ÷ 4, we know that the answer must be less than 1000 (because 1000 4's is more than 2904), but greater than 100, so the answer must have 3 digits.
  - With Standard Long Division, we can't just "give away" what we'd like to – we have to give away the correct number of 100's, then the correct number of 10's, and lastly, the correct number of 1's.
  - Write how much you give away each time both to the right of the "division house" (as we do with Flexible Long Division), and above the division house (which is how it is done with Standard Long Division).

  1) 252 ÷ 3
  2) 2904 ÷ 4
  3) 2499 ÷ 7
  4) 7285 ÷ 5
  5) Challenge! 46,532 ÷ 9
     (First of all, determine what the remainder should be, then do the division)

- **Puzzles**

  6) For her birthday party, Janet bought 3 pints of ice cream. A pint of ice cream costs $3.69, and she had to pay $0.46 in tax. How much change did she get back if she gave the cashier $21.53?
  7) Mary wants to buy a bicycle that costs $240. She has already saved $75. If, starting now, she saves $11 every month, how long will it take her to save enough money to buy the bicycle?

Individual Work

- *Speed Sheets.* This is just a reminder…you should still be doing the "speed sheets". These sheets should be done at least twice per week (in 6th grade perhaps only once per week). For 5th graders who still don't know their basic arithmetic facts, a few minutes per day of flashcards may be helpful. But, of course, be careful that all of this doesn't make your child hate math!
- *Main Lesson Book Pages*. Create one or two main lesson book (or summary) pages that nicely summarizes all we have learned so far with fractions.
- *Long Division*. if you wish, then complete the unfinished Standard Long Division problems from the group work (see above).
- *Fraction Practice*. Do the following:

1. $\frac{7}{15} + \frac{10}{15}$
2. $\frac{7}{15} + \frac{2}{3}$
3. $\frac{3}{4} - \frac{1}{3}$
4. $\frac{5}{6} - \frac{7}{15}$
5. $\frac{2}{5} \times \frac{3}{5}$
6. $\frac{2}{5} \div \frac{3}{5}$
7. $\frac{6}{7} \div \frac{1}{4}$
8. Reduce this fraction: $\frac{4}{20}$
9. Reduce this fraction: $\frac{12}{28}$
10. Reduce this fraction: $\frac{4800}{5400}$