**Decimal Unit Test on Tuesday, February 12, 2019**

*Concepts to Review:*

* Numbers to thousandths and beyond
  + Names and values of each place value beyond the decimal point (tenths, hundredths, thousandths, ten thousandths, hundred thousandths, millionths, etc)
  + Using a place value chart, expanded form, standard form, words, diagrams etc to represent decimal numbers
  + Being able to explain how different values in a number are related (for example, a 2 in the tenths place is a hundred times greater that a 2 in the thousandths place)
  + Comparing and ordering decimal numbers
* Estimating Products and Quotients
  + Using different strategies to estimate the answers to multiplication or division problems where an exact answer is not needed and/or to check if an answer is reasonable
  + Front-end estimation
  + Decimal benchmarks
  + Compatible numbers
  + Make sure you can explain what strategy you used and why, and that you choose numbers that you can easily use *mentally*
* Multiplying decimals (including decimals less than 1) by a whole number
* Dividing decimals (including decimals less than 1) by a whole number
  + Using equivalent decimals to find an exact quotient rather than writing a remainder
* Problem solving, using the format we worked with in class
  + What you know. What you need to know. What operation(s) you will use and why. Visualization. Showing your work fully. Answering in a sentence with units. How you know your answer is reasonable. How you know your answer is correct.
  + Remember, it is not enough to just have the right answer; you need to *fully explain your thinking*

*How to Prepare:*

* Complete Show What You Know if you haven’t already (pages 118-119 in the textbook), and make sure you’ve checked it with the answer key
* Review explanations and examples in Unit 3 of the textbook (starting on page 86), particularly focusing on concepts you’ve had trouble with
* Review work you’ve done in class
* Khan Academy (searching for the topics listed above and/or doing the optional “assignments”)
* Use online games to practice, including those linked on the blog. You can also do a Google search “Grade 6 online [concept] games” for a particular concept that you want more practice with (for example “Grade 6 decimal multiplication games”)
* **Talk to your teacher *before* the test if there are still concepts you are having trouble with and would like to review! Don’t wait until the day of the test to realize that you don’t understand something! I am here to help you!**