Topic 7 Test

Study Guide

*1.) Review Lesson 7-1*

* Be able to mentally divide decimals and mixed decimals by 10, 100, 1000.
* Recognize that there is a pattern in this division – moving the decimal to the left based on the number of zeroes.
* Recognize that a 10 with an exponent means 10 x 10 etc

*2.) Review Lesson 7-2*

* Review the definition of compatible numbers when it comes to rounding.
* Be able to use rounding and compatible numbers to round decimals and then estimate the quotient.
* Be able to recognize if your rounded answer is logical based on the division problem

*3.) Review Lesson 7-3*

* Understand what quotients should reasonably look like when dividing decimals.
* Understand that:
* A decimal divided a decimal will equal a quotient that is a LARGER decimal
* A whole number or mixed decimal divided by a whole number or a mixed decimal will equal a product that is SMALLER than the dividend.
* A mixed decimal or whole number divided by a decimal will equal a quotient larger than the dividend.
* Be able to using reasoning and number sense to figure out where a decimal should go, logically, based on these patterns.

*4.) Review Lesson 7-4*

* Be able to find the quotients of decimal dividends with whole number divisors.
* Understand that models can be used to demonstrate this process.
* Be able to use estimating and inverse operations to check your answer.

*5.) Review Lesson 7-5*

* Be able to divide a whole number by a decimal.
* Be able to use estimating and inverse operations to check your answer.

*5.) Review Lesson 7-6*

* Be able to divide a decimal by a decimal
* Be able to use estimating and inverse operations to check your answer.

*6.) Review Lesson 7-7*

* Be able to solve multi step word problems that involve decimals. Be able to use bar pictures to support answers.

*Pages 186 - 187 provide excellent reteaching opportunities if you are confused!!!* ***Pages 188-189 provide a practice test. Turn it in for extra credit on your test!!!***