Topic 3 Test

Study Guide

*1.) Review Lesson 3-1*

* Review the properties of multiplication and understand how by using them, they can make problems simpler.
* Be able to recognize problems that show:

- Commutative Property

- Associative Property

- Zero Property

- Identify Property

*2.) Review Lesson 3-2*

* Know how to differentiate between a factor, and multiple, and a product
* Be able to multiply mentally when you are given numbers that are multiples of 10 and 100
* For example: 500 x 70 – there are three steps to solve this problem mentally
* Be able to recognize some compatible numbers to make multiplying easier (Ex: 25 x 4)

*3.) Review Lesson 3-3*

* Review the rule for rounding (look at the digit to the right)
* Know how to estimate – using rounded numbers to multiply. Round out to a nearest multiple of ten or one hundred.
* Understand the value of estimating – it helps us know if our answer is in the correct range.

*4.) Review Lesson 3-4*

* Be sure to understand why exponents are used – what does an exponent actually mean???
* Know the meaning of BASE and EXPONENT
* Be able to change numbers from exponential notation, to expanded notation, to standard form, and then back again.

\*\*\* especially practice changing from exponential notation to standard form!

*5.) Review Lesson 3-5*

* Be able to use the distributive property to solve larger multiplication problems.

*5.) Review Lesson 3-6, 3-7, and 3-8*

* Be able to compute products of multiplication problems when multiplying one digit, two digit and three digit numbers, using the standard method.

*6.) Review Lesson 3-9*

* Be able to solve word problems that require multiplication. Be able to use bar pictures to support answers.

*Pages 84-84 provide excellent re-teaching opportunities if you are confused!!! Pages 86-87 provide a practice test. Turn it in for extra credit on your test!!!*