# Decimals, Percentage, Proportions, Scientific Notation Unit

Test Date: 9/30/11

Objectives: Learn and Apply the concepts of Adding, Subtracting, Multiplying, and Dividing decimals, converting decimals to fractions and percentages, solve percentage statements, write in scientific notation, determine proportions, and converting percentage to fraction and decimals.

## Agenda

Wed 9/21 – Due: Review worksheets for Factoring Unit

* Test on Fractions.

We will begin the Next Unit

* Watch the video lectures on Comparing Decimals and Comparing Decimals 4 on the Kahn Academy Website if needed and then complete page 89 Exc A (1- 20) and p. 90 Exc B (1-10) in the Basic Math Skills Book.
* If you finish turn in before you leave if you don’t finish either print the page before you leave or use my website.

Thursday 9/22 – Due: P. 89-90

* Take quiz on 7th grade - Compare and Order Decimals (B.2)
* Watch the lecture on Subtracting Decimals (don’t pick the old version) and Adding Decimals (don’t pick the old version) on the Kahn website.
* Then complete p. 93 (1-10) and p.95 (1-12) in the Basic Math Skills Book
* Watch the lecture on Multiply Decimals and Dividing Decimals on the Kahn website.
* Complete p. 98 Exc C (1-9) & Exc D (1-5) and p. 102 Exercise A (1-12) in the BMS book
* Turn in when done – if you don’t finish be sure to print out pages before you leave or use my website at home.

Friday 9/14 – Due: p.93, p.95, p. 98, and p.102

* Quiz on 7th grade: C.8 - Add, subtract, multiply, and divide decimals: word problems & 7th grade: C.11 - Simplify expressions involving decimals
* Watch the lecture on Scientific Notation, Scientific Notation 1, Scientific Notation 2, and Scientific Notation 3 on the Kahn website.
* Then complete p. 100 (1-14) and p. 101 Exc B--D(evens only) in the Basic Math Skills Book
* Turn in when done, if not finished be sure to print out the pages before you leave or access them on my website.

Monday Sept 26th – Due: p. 100 and 101

* Quiz on 7th grade - (A.8) – Scientific Notation
* Watch the lecture on Converting fractions to decimals on the Kahn website and then the Converting Fractions to Decimals Example on Kahn website.
* Then complete p.109 (1-30) and p.110 (1-20)
* Turn in when done, if not finished be sure to print out the pages before you leave or access them on my website.

Tuesday Sept 27th – Due: p. 109-110

* Quiz on Algebra Skills A.5 - Convert between decimals and fractions
* Watch the video on Ratio and Proportion and Understanding Proportions on Kahn Academy website.
* Then complete p. 116 (odds) and p. 117 (odds)
* Then watch the video lecture on Writing Proportions
* Then complete p. 119 (1-8)
* Turn in when done, if not finished be sure to print out the pages before you leave or access them on my website.

Thursday Sept 28th – Due: p. 116, 117, & 119

* Quiz on 8th grade – H.2 – Equivalent Ratios and H.6 - Do the ratios form a proportion?
* Then watch the Lecture video on Find an Unknown in a Proportion and Find an Unknown in a Proportion 2
* Then complete p. 120 (1-18) and p. 121 (1-7)
* Today Mrs. Miller will lecture on changing decimals to fractions, fractions to percentages, and then decimal to percentages.
* Then you will complete the worksheet on fractions/decimals/percentages

Friday Sept 30th – Due: p. 120, 121, and worksheet

* Quiz on Algebra D.1 - Convert between percent, fractions, and decimals
* Then work on the Review sheets for the Unit – prep for the Test on Monday

Monday – Oct 3rd – Due: Review Packet

TEST DAY