

Sixth Grade Mathematics GLCE Check

Note: The following timeline and sequence is meant to be a guide only and is subject to change.

Resources used throughout the year: "Hands On Equations" and Holt Course 2 Text
Page 1 (Revised 2008-09 school year)

Grade Level Content Expectations

	1st Trimester			2nd Trimester			3rd Trimester		
	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
N.MR.06.01 Understand division of fractions as the inverse of multiplication, e.g., if $4/5 \div 2/3 = \blacksquare$, then $2/3 \cdot \blacksquare = 4/5$, so $\blacksquare = 4/5 \cdot 3/2 = 12/10$.	X								
N.FL.06.02 Given an applied situation involving dividing fractions, write a mathematical statement to represent the situation.	X								
N.MR.06.03 Solve for the unknown in equations such as $1/4 \div \blacksquare = 1$, $3/4 \div \blacksquare = 1/4$, and $1/2 = 1 \cdot \blacksquare$.	X								
N.FL.06.04 Multiply and divide any two fractions, including mixed numbers, fluently.	X								
N.FL.06.12 Calculate part of a number given the percentage and the number.		X							
N.MR.06.13 Solve contextual problems involving percentages such as sales taxes and tips.*		X							
N.FL.06.14 For applied situations, estimate the answers to calculations involving operations with rational numbers.		X							
N.FL.06.15 Solve applied problems that use the four operations with appropriate decimal numbers.		X							
N.MR.06.08 Understand integer subtraction as the inverse of integer addition. Understand integer division as the inverse of integer multiplication.*			X						
N.FL.06.09 Add and multiply integers between -10 and 10; subtract and divide integers using the related facts. Use the number line and chip models for addition and subtraction.*			X						
N.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently.			X						
N.ME.06.16 Understand and use integer exponents, excluding powers of negative bases; express numbers in scientific notation.*			X						
N.ME.06.17 Locate negative rational numbers (including integers) on the number line; know that numbers and their negatives add to 0, and are on opposite sides and at equal distance from 0 on a number line.			X						
N.ME.06.18 Understand that rational numbers are quotients of integers (non zero denominators), e.g., a rational number is either a fraction or a negative fraction.			X						
N.ME.06.19 Understand that 0 is an integer that is neither negative nor positive.			X						
N.ME.06.20 Know that the absolute value of a number is the value of the number ignoring the sign; or is the distance of the number from 0.			X						
N.ME.06.05 Order rational numbers and place them on the number line.				X					
N.ME.06.06 Represent rational numbers as fractions or terminating decimals when possible, and translate between these representations.				X					
N.ME.06.07 Understand that a fraction or a negative fraction is a quotient of two integers, e.g., $-8/3$ is -8 divided by 3.				X					
N.ME.06.11 Find equivalent ratios by scaling up or scaling down.				X					

