

Houghton Mifflin Mathematics

Grade 5 Math Standards Alignment Guide

• * indicates standard found in more than one location • (___ items) indicates Blueprint weighting for the standard

Time	Houghton-Mifflin	Standards/Lesson Information/CST samples
	Back-To School Pre-Testing Introduction to Chapter 1	
Approximately 5 days	Chapter 1 Prime Factorization and Exponents Lesson: Standard Game, optional 1: review, optional 2: NS 1.4 3: NS 1.4 4: NS 1.3, 1.4 5: optional 6: 20 after CST; do 21 Day 4: Wrap Up/SBEP Day 5: CT/SRTP Vocab, Ch 2	NS 1.3 understand/compute with + integer powers; compute examples as repeated multiplication (1 item) $5^3 =$ NS 1.4 determine prime factors of all numbers through 50; write numbers as product of prime factors using exponents (3 items) What is the prime factorization of 45 OR Which of the following shows the number 60 factored into prime numbers OR Which expression shows the prime factorization of 48 OR What are all of the different prime factors of 36 Grade 4 standard: 1. know that many whole numbers break down in different ways (factors) 2. know that numbers such as 2, 3, 5, 7, 11 have only 1 and themselves as factors and are called prime numbers
Approximately 5 days	Chapter 2 Fractions and Mixed Numbers Lesson: Standard 1: review, optional 2: NS 1.5 3 and 4: optional 5: SDP 1.3 Day 3: Wrap Up/SBEP Day 4: CT/SRTP Day 5: Unit Test (43 optional) PreTest/Vocab, Ch 3	NS 1.5 identify/represent on # line decimals, fractions, mixed numbers, and +/- integers (2 items) <i>*instruction also in Chapters 3, 4, 25, 26</i> Which number line appears to show the dot placed at 1/5? SDP 1.3 use fractions/percentages to compare data sets of different sizes (1/3 item) <i>*also Ch 24</i> Grade 4 standard: 1. relate fraction to a simple decimal on a number line 2. use concepts of negative numbers (on a number line, in counting, in temperature, in owing) 3. order and compare decimals to 2 decimal places