Numeracy

Dates: August 27, 2008 to October 3, 2008
Unit One: Integers

Unit	Essential Question(s)	State Standards	DCP Standards	Skills	Assessments
1 8/27/08 to 10/3/08 6 weeks	Integer arithmetic.	Spans many K-8 standards.	**Numeracy:** 1.1 Add, subtract, multiply, and divide single and multi-digit numbers, including decimals to the thousandths place. 2.1 Model numbers with base-10 blocks and know how to exchange between place values in the decimal system. 2.2 Correctly say and spell individual place values and number names into the billions. 2.3 Use strategies to facilitate recall of basic arithmetic facts. 2.5 Understand division as both “groups of” and “per group”. 2.6 Use inverse operations to solve subtraction and division problems.	**Week 1:** Cornell notes, zero pairs. **Week 2:** Adding integers. Subtracting integers by adding the opposite. **Week 3:** Adding and subtracting big integers. Basic integer multiplication. **Week 4:** Multiplying integers. **Week 5:** More multiplying integers. Dividing integers. **Week 6:** More dividing integers. Review and exam.	Quiz on adding and subtracting integers. One-minute multiplication quizzes. Comprehensive unit exam.

Numeracy

Dates: October 7, 2008 to December 5, 2008
Unit Two: Fractions

Unit	Essential Question(s)	State Standards	DCP Standards	Skills	Assessments
2 10/7/08 to 12/5/09 9 weeks	Fraction arithmetic.	Spans many K-8 standards.	**Numeracy:** 1.4 Use prime factorizations to find GCFs and LCMs, and to reduce fractions. 1.5 Add, subtract, multiply, and divide fractions and mixed numbers. 1.6 Convert between fractions and mixed numbers. 2.4 Determine if a number is prime or composite. 2.7 Estimate the value of a fraction, compare two fractions, and put a set of fractions in order.	Week 7: Proper fractions, improper fractions, and mixed numbers. Plotting fractions. Week 8: Equivalent fractions. Prime factorization. Week 9: Simplifying fractions. Week 10: Least common multiple. Comparing Fractions Week 11: Adding and subtracting fractions. Multiplying fractions. Week 12: Dividing fractions. Week 13: Fractions from various-shaped regions. Whole-to-Part Week 14: Part-to-Whole Week 15: Fractions of sets. Comprehensive Exam	One-minute multiplication quizzes. Comprehensive exam.

Numeracy

Dates: December 8, 2008 to January 16, 2008
Unit Two Continued: Fractions (As evident on the unit 2 comprehensive test, many students were still struggling with fractions, so I decided to continue the unit rather than start a new one.)

Unit	Essential Question(s)	State Standards	DCP Standards	Skills	Assessments
2 cont. 12/8/08 to 1/16/09 3-4 weeks	Fraction arithmetic.	Spans many K-8 standards.	**Numeracy:** 1.4 Use prime factorizations to find GCFs and LCMs, and to reduce fractions. 1.5 Add, subtract, multiply, and divide fractions and mixed numbers. 1.6 Convert between fractions and mixed numbers. 2.4 Determine if a number is prime or composite. 2.7 Estimate the value of a fraction, compare two fractions, and put a set of fractions in order.	Week 16: Don't add fractions across. Adding and subtracting fractions with common denominators with fraction circles. Week 17: Adding and subtracting fractions with differing denominators with fraction circles. Least common multiple. Adding differing denominators without fraction circles. Week 18: Multiplying and dividing fractions. Whole-to-Part and Part-to-Whole. Fractions of Sets. Finals Week: Review and semester exam.	One-minute multiplication quizzes. Semester final exam.