## Numeracy

**Dates:** February 2, 2009 to March 20, 2009 **Unit Three:** Decimals

arithmetic.  2/2/09 to 3/20/09  7 weeks  arithmetic.  standards.  standards.  standards.  1.1 Add, subtract, multiply, and divide single and multi-digit numbers, including decimals to the thousandths place.  Extending place value. Representing base-10 fractions as decimals.  One-minute division quizzes.	Unit	Essential Question(s)	State Standards	DCP Standards	Skills	Assessments
arithmetic.  standards.  1.1 Add, subtract, multiply, and divide single and multi-digit numbers, including decimals to the thousandths place.  7 weeks  1.2 Round numbers to any place value.  1.3 Multiply and divide by powers of 10 by moving the decimal point.  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.  Add, subtract, multiply, and divide single and multi-digit numbers, including decimals to the thousandths place.  Week 2:  Converting between fractions and decimals.  Week 3: Plotting decimals. Ordering decimals. Ordering decimals. Rounding decimals. Review of decimal concepts.  Week 5: Adding, subtracting, and multiplying decimals.  Week 6: Decimal division. Multiplying and dividing by powers of 10.  Week 7: Review and	3	Decimal concepts and	Spans many K-8	Numeracy:	Week 1:	Diagnostics test at
and divide single and multi-digit numbers, including decimals to the thousandths place.  7 weeks  1.2 Round numbers to any place value.  1.3 Multiply and divide by powers of 10 by moving the decimal point.  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.  and divide single and multi-digit numbers, including decimals to the thousandths place.  Week 2: Converting between fractions and decimals.  Week 3: Plotting decimals. Ordering decimals.  Week 4: Ordering decimals. Review of decimal concepts.  Week 5: Adding, subtracting, and multiplying decimals.  Week 6: Decimal division. Multiplying and dividing by powers of 10.  Week 7: Review and		arithmetic.	standards.			the beginning of the
and divide single and multi-digit numbers, including decimals to the thousandths place.  7 weeks  1.2 Round numbers to any place value.  1.3 Multiply and divide by powers of 10 by moving the decimal point.  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.  And third grain and divide by powers of 10.  Week 4: Ordering decimals.  Week 4: Ordering decimals. Review of decimal concepts.  Week 5: Adding, subtracting, and multiplying decimals.  Week 6: Decimal division. Multiplying and dividing by powers of 10.  Week 7: Review and	2/2/09			1		unit.
3/20/09 7 weeks    Multi-dight numbers, including decimals to the thousandths place.   Converting between fractions and decimals.   Week 3: Plotting decimals.   Homework assignments.					fractions as decimals.	
7 weeks  1.2 Round numbers to any place value.  1.3 Multiply and divide by powers of 10 by moving the decimal point.  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.  Week 5:  Adding, subtracting, and multiplying decimals.  Week 6:  Decimal division.  Multiplying and dividing by powers of 10.  Week 7: Review and				,		
1.2 Round numbers to any place value.  1.3 Multiply and divide by powers of 10 by moving the decimal point.  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.  1.3 Multiply and divide by powers of 10 by moving the decimal point.  Week 4: Ordering decimals. Rounding decimals. Review of decimal concepts.  Week 5: Adding, subtracting, and multiplying decimals.  Week 6: Decimal division. Multiplying and dividing by powers of 10.  Week 7: Review and	3/20/07					division quizzes.
1.2 Round numbers to any place value.  1.3 Multiply and divide by powers of 10 by moving the decimal point.  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.  1.3 Multiply and divide by powers of 10 by moving the decimal point.  Week 4: Ordering decimals.  Rounding decimals.  Review of decimal concepts.  Week 5: Adding, subtracting, and multiplying decimals.  Week 6: Decimal division. Multiplying and dividing by powers of 10.  Week 7: Review and	7 weeks			thousandths place.	_	
place value.  1.3 Multiply and divide by powers of 10 by moving the decimal point.  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.  Week 4: Ordering decimals. Ordering decimals.  Rounding decimals. Review of decimal concepts.  Week 5: Adding, subtracting, and multiplying decimals.  Week 6: Decimal division. Multiplying and dividing by powers of 10.  Week 7: Review and	/ WCCKS				fractions and decimals.	Warm-up exercises.
1.3 Multiply and divide by powers of 10 by moving the decimal point.  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.  Poster presentation on ordering, addin and subtracting decimals. Review of decimal concepts.  Week 5: Adding, subtracting, and multiplying decimals.  Week 6: Decimal division. Multiplying and dividing by powers of 10.  Week 7: Review and				3		
1.3 Multiply and divide by powers of 10 by moving the decimal point.  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.  Week 4: Ordering decimals. Rounding decimals. Review of decimal concepts.  Week 5: Adding, subtracting, and multiplying decimals.  Week 6: Decimal division. Multiplying and dividing by powers of 10.  Week 7: Review and				place value.		
powers of 10 by moving the decimal point.  2.1 Model numbers with base-10 blocks and know how to exchange between place values in the decimal system.  Week 4: Ordering decimals. Rounding decimals. Review of decimal concepts.  Week 5: Adding, subtracting, and multiplying decimals.  Week 6: Decimal division. Multiplying and dividing by powers of 10.  Week 7: Review and					_	assignments.
the decimal point.  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.  Week 4: Ordering decimals. Rounding decimals. Review of decimal concepts.  Week 5: Adding, subtracting, and multiplying decimals.  Week 6: Decimal division. Multiplying and dividing by powers of 10.  Week 7: Review and					Ordering decimals.	_
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.  Week 5: Adding, subtracting, and multiplying decimals.  Week 6: Decimal division. Multiplying and dividing by powers of 10.  Week 7: Review and				, ,		-
2.1 Model numbers with base-10 blocks and know how to exchange between place values in the decimal system.  Week 5: Adding, subtracting, and multiplying decimals.  Week 6: Decimal division. Multiplying and dividing by powers of 10.  Week 7: Review of decimals.  Comprehensive ur exam.  Week 5: Adding, subtracting, and multiplying decimals.  Week 6: Decimal division. Multiplying and dividing by powers of 10.  Week 7: Review and				the decimal point.		C, C,
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.  Week 5: Adding, subtracting, and multiplying decimals.  Week 6: Decimal division. Multiplying and dividing by powers of 10.  Week 7: Review of decimal concepts.  Comprehensive ur exam.						•
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place values in the decimal system.  Week 5: Adding, subtracting, and multiplying decimals.  Week 6: Decimal division. Multiplying and dividing by powers of 10.  Week 7: Review and						
system.  2.2 Correctly say and spell individual place values and number names into the billions.  Week 5: Adding, subtracting, and multiplying decimals.  Week 6: Decimal division. Multiplying and dividing by powers of 10.  Week 7: Review and					concepts.	*
2.2 Correctly say and spell individual place values and number names into the billions.  Week 6: Decimal division. Multiplying and dividing by powers of 10.  Week 7: Review and				1 -	***	exam.
2.2 Correctly say and spell individual place values and number names into the billions.  Week 6: Decimal division. Multiplying and dividing by powers of 10.  Week 7: Review and				system.		
individual place values and number names into the billions.  Week 6: Decimal division. Multiplying and dividing by powers of 10.  Week 7: Review and				226 41 1 11	C, C,	
number names into the billions.  Neek 6: Decimal division. Multiplying and dividing by powers of 10.  Week 7: Review and				3 3 1	multiplying decimals.	
billions.  Decimal division. Multiplying and dividing by powers of 10.  Week 7: Review and					Week 6	
Multiplying and dividing by powers of 10.  Week 7: Review and						
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comprehensive test.						
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## Numeracy

**Dates:** March 23, 2009 to April 24, 2009 **Unit Four:** Polynomials (using Algeblocks)

Unit	Essential Question(s)	State Standards	DCP Standards	Skills	Assessments
Junit  4  3/23/09 to 4/24/09  5 weeks (4 weeks without spring break)		Algebra 1 (Grades 8 through 12)  10.0 Students add, subtract, multiply, and divide monomials and polynomials  11.0 Students apply basic factoring techniques to second- and simple third-degree polynomials  12.0 Students simplify fractions with polynomials in the numerator and denominator by factoring both and reducing them to the lowest terms.	This unit is designed to prepare students for the STAR, so it covers Algebra 1 state standards instead of DCP Numeracy standards.	Week 8: Representing polynomials with Algeblocks. Simplifying polynomials with Algeblocks.  Week 9: Algeblock perimeter problems. Adding, subtracting, and multiplying polynomials with Algeblocks.  Week 10: Multiplying polynomials with tables. Factoring polynomials with Algeblocks.  Week 11: Spring break.  Week 12: Dividing polynomials with	Assessments One-minute division quizzes. Warm-up exercises. Homework assignments. Comprehensive exam.

## Numeracy

**Dates:** April 27, 2009 to June 5, 2009 **Unit Five:** Percents

Unit	Essential Question(s)	State Standards	DCP Standards	Skills	Assessments
5			Numeracy:  4. Know when and how to apply numeracy concepts to relevant applications.	Week 13: STAR testing. Diagnostics test.  Week 14: Ratios and proportions; similar figures and scale drawings; converting percents to fractions and decimals.  Week 15: Converting decimals and fractions to percents; solving percent problems using proportions; solving percent problems using percent equations.  Week 16: Percent of change, discount; review and practice test; unit 5 comprehensive test	One-minute division quizzes.  Diagnostics test at the beginning of the unit.  Warm-up exercises.  Homework assignments.  Group posters on solving real-life word problems using ratios and proportions.  Comprehensive exam.