Math-U-See

Student _____

Record Keeping: *Delta*

	Date	Test Score	Proficiency	Counting?
Pretest (Unit Test I)				

	LESSON PRACTICE			TEACH BACK	SYSTEMATIC REVIEW			A&E	Lesson Test	Test Date
	A	B	C		D	E	F			
1 Rectangles										
2 Divide by 1, by 2; Symbols										
3 Divide by 10										
4 Divide by 5, by 3										
5 Parallel, Perpendicular										
6 Divide by 9										

	Date	Test Score	Proficiency	Counting?
Posttest (Unit Test I)				

LESSON OBJECTIVES

Lesson 1 **Rectangles**

DE.1.a Find the dimensions of a rectangle by counting blocks for the length and width

DE.1.b Solve for the area of a given rectangle

DE.1.c Solve for an unknown in a simple multiplication equation

Lesson 2 **Divide by 1, by 2; Symbols**

DE.2.a Identify the different symbols used for division

DE.2.b Demonstrate proficiency of division facts for one and two

DE.2.c Explain that, when the divisor is one, the quotient is the same as the dividend

DE.2.d Solve division problems when the divisor is one or two

DE.2.e Solve word problems by applying knowledge of division facts for one and two

Lesson 3 **Divide by 10**

DE.3.a Model the relationship between multiplication and division with blocks

DE.3.b Explain why division is not commutative

DE.3.c Demonstrate proficiency of basic division facts for ten

DE.3.d Identify the $\frac{1}{2}$ rectangle box as a symbol for division

DE.3.e Solve division problems when ten is the divisor

DE.3.f Solve word problems by applying knowledge of basic division facts for ten

Lesson 4 **Divide by 5, by 3**

DE.4.a Identify the divisor, dividend, and quotient in a divison problem

DE.4.b Fluently divide by five and three

DE.4.c Solve division problems when five or three is the divisor

DE.4.d Solve word problems by applying knowledge of division facts for five and three

Lesson 5 **Parallel, Perpendicular**

DE.5.a Define parallel lines, perpendicular lines, angles, and planes

DE.5.b Identify lines which appear to be parallel to one another

DE.5.c Identify lines which appear to be perpendicular to one another

DE.5.d Write the symbols for parallel and perpendicular lines

DE.5.e Apply knowledge of parallel and perpendicular lines to solve problems

Lesson 6 **Divide by 9**

DE.6.a Fluently divide by nine

DE.6.b Solve division problems when nine is the divisor

DE.6.c Solve word problems by applying knowledge of division facts for nine

Proficiency Guide: A (Advanced) 90–100% **P** (Proficient) 80–89% **NP** (Nearing Proficiency) 70–79% **BS** (Beginning Steps) Below 70%

Math-U-See

Student _____

Record Keeping: *Delta*

	Date	Test Score	Proficiency	Counting?
Pretest (Unit Test II)				

		LESSON PRACTICE			TEACH BACK	SYSTEMATIC REVIEW			A&E	Lesson Test	Test Date
		A	B	C		D	E	F			
7	Area of a Parallelogram										
8	Divide by 6										
9	Area of a Triangle										
10	Divide by 4										
11	Averages										
12	Divide by 7, by 8										

	Date	Test Score	Proficiency	Counting?
Posttest (Unit Test II)				

LESSON OBJECTIVES

Lesson 7 Area of a Parallelogram

DE.7.a Find the area of a parallelogram with known height and known base length

DE.7.b Apply the formula for calculating area of a parallelogram to solve problems

Lesson 8 Divide by 6

DE.8.a Fluently divide by six

DE.8.b Solve division problems when six is the divisor

DE.8.c Solve word problems by applying knowledge of basic division facts for six

Lesson 9 Area of a Triangle

DE.9.a Find the area of a triangle with known height and known base length, using the formula $\frac{1}{2} \times b \times h$

DE.9.b Solve word problems by using the formula for area of a triangle

Lesson 10 Divide by 4

DE.10.a Fluently divide by four

DE.10.b Solve division problems when four is the divisor

DE.10.c Solve word problems by applying knowledge of division facts for four

Lesson 11 Averages

DE.11.a Find the mean (average) of a set of positive integers

DE.11.b Solve word problems by calculating an average

Lesson 12 Divide by 7, by 8

DE.12.a Fluently divide by seven and eight

DE.12.b Solve division problems when seven or eight is the divisor

DE.12.c Solve word problems by applying knowledge of division facts for seven and eight

Proficiency Guide: A (Advanced) 90–100% **P** (Proficient) 80–89% **NP** (Nearing Proficiency) 70–79% **BS** (Beginning Steps) Below 70%

Math-U-See

Student _____

Record Keeping: *Delta*

	Date	Test Score	Proficiency	Counting?
Pretest (Unit Test III)				

		LESSON PRACTICE			TEACH BACK	SYSTEMATIC REVIEW			A&E	Lesson Test	Test Date
		A	B	C		D	E	F			
13	Area of a Trapezoid										
14	Thousands, Millions										
15	Billions, Trillions										
16	Divison with Remainder										
17	Upside Down Multiplication										
18	Divide 2 Digits by 1 Digit										
19	Divide 3 Digits by 1 Digit										
20	Divide 3 Digits by 1 Digit (Cont.)										
21	Round, Estimate										

	Date	Test Score	Proficiency	Counting?
Posttest (Unit Test III)				

LESSON OBJECTIVES

Lesson 13 Area of a Trapezoid

DE.13.a Calculate the area of a trapezoid given the base length and height

DE.13.b Substitute values into the formula $\frac{b_1 + b_2}{2} \times h$ to find the area of a trapezoid

Lesson 14 Thousands, Millions

DE.14.a Read numbers to the thousands and millions place in words

DE.14.b Write numbers to the thousands and millions place using standard notation

DE.14.c Write numbers to the thousands and millions place using place-value notation

Lesson 15 Billions, Trillions

DE.15.a Use a place-value chart to model numbers to the billions and trillions

DE.15.b Read numbers in standard notation to the billions and trillions

DE.15.c Write numbers to the billions and trillions

DE.15.d Write numbers in expanded notation to the billions and trillions

Lesson 16 Division with Remainder

DE.16.a Solve division-with-remainder problems with a divisor of one through nine

DE.16.b Solve word problems using long division

Lesson 17 Upside Down Multiplication

DE.17.a Model traditional multiplication with blocks

DE.17.b Use blocks to model upside down multiplication

DE.17.c Solve multiplication problems using place-value notation

DE.17.d Solve multiplication problems using upside down multiplication

DE.17.e Use patterns to break division problems into smaller ones

Lesson 18 Divide 2 Digits by 1 Digit

DE.18.a Solve division problems with two-digit dividends and a divisor of one through nine (with remainders)

DE.18.b Verify answers by using upside down multiplication

DE.18.c Solve word problems using division strategies

Lesson 19 Divide 3 Digits by 1 Digit

DE.19.a Solve division problems with three-digit dividends and a divisor of one through nine (with remainders)

DE.19.b Multiply to check a division problem

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Lesson 20	**Divide 3 Digits by 1 Digit (Cont.)**
DE.20.a	Solve division problems with three-digit dividends and a divisor of one through nine, using fractions to express remainders
DE.20.b	Use division to convert inches to feet and ounces to pounds
Lesson 21	**Round, Estimate**
DE.21.a	Identify the symbol for “approximately equal to”
DE.21.b	Estimate quotients by rounding the dividend to the greatest place value and then dividing
DE.21.c	Compare the approximate quotient with the exact quotient to verify that an answer is reasonable
DE.21.d	Apply knowledge of division and estimating quotients to solve word problems

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Record Keeping: *Delta*

	Date	Test Score	Proficiency	Counting?
Pretest (Unit Test IV)				

	LESSON PRACTICE			TEACH BACK	SYSTEMATIC REVIEW			A&E	Lesson Test	Test Date
	A	B	C		D	E	F			
22 Divide 3 Digits by 2 Digits										
23 Divide 4 Digits by 1 Digit										
24 Divide 4 Digits by 2 Digits										
25 Multiple-Digit Division										
26 Volume										
27 Fraction of a Number										
28 Roman Numerals										
29 Fraction of One										
30 Roman Numerals (Cont.)										

	Date	Test Score	Proficiency	Counting?
Posttest (Unit Test IV)				

LESSON OBJECTIVES

Lesson 22 Divide 3 Digits by 2 Digits

DE.22.a Solve division-with-remainder problems with three-digit dividends and two-digit divisors

Lesson 23 Divide 4 Digits by 1 Digit

DE.23.a Solve division-with-remainder problems with four-digit dividends and one-digit divisors

Lesson 24 Divide 4 Digits by 2 Digits

DE.24.a Solve division-with-remainder problems with four-digit dividends and two-digit divisors

Lesson 25 Multiple-Digit Division

DE.25.a Solve division-with-remainder problems where the divisor has up to three digits

Lesson 26 Volume

DE.26.a Use models to demonstrate that volume is measured in three dimensions

DE.26.b Explain why cubic units are used to measure volume

DE.26.c Find the volume of a rectangular prism by multiplying given dimensions using the formula $V = b \times h$

DE.26.d Label answers to volume problems with cubic units

DE.26.e Use multiplication to convert cubic feet to gallons

Lesson 27 Fraction of a Number

DE.27.a Use blocks or drawings to find a fraction of a positive integer when the integer is a multiple of the denominator

DE.27b Express a fraction of a fraction

DE.27.c Multiply to calculate a fraction of a fraction

Lesson 28 Roman Numerals

DE.28.a Interpret the values for Roman numerals composed of I, V, X, L, and C

DE.28.b Rewrite Roman numerals as Arabic numerals

DE.28.c Rewrite Arabic numerals as Roman numerals

DE.28.d Use knowledge of Roman numerals and Arabic numerals to solve problems

Lesson 29 Fraction of One

DE.29.a Use models to determine a fraction of one

DE.29.b Express the shaded regions of a rectangle in fraction notation

DE.29.c Use models to represent a given proper fraction

DE.29.d Apply knowledge of determining a fraction of one to solve word problems

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Lesson 30	**Roman Numerals (Cont.)**
DE.30.a	Interpret and apply the Roman numeral symbols D, M, and the overbar
DE.30.b	Rewrite greater numbers as Roman numerals and Arabic numerals