

**Math
Courtemanche**

**2 Aitkin Independent District #1
8/15/2013**

Unit #	Content	Essential questions	Objectives Skills Processes	Vocabulary	Assessment	Resources Chapters / Sections	Mn Standard & Benchmarks	Estimate # of days on Unit
Unit 1	Read, write, compare and order numbers to 1,000, addition facts, count coins and bills, tell time		Count on by 1s, read and write numbers to 1,000s, compare and order numbers to 1,---s, calculate values of coins and bills, practice addition facts, identify patterns on number grid, tell and show time to nearest half-hour.	base-10 blocks, long, flat, cube, even and odd numbers, equivalent names, equal to, greater than, less than , ordinal numbers	written and slate Unit 1 assessment, math boxes, other formative assessments	EDM Unit 1 and supplements	2.1.1.1, 2.1.1.3, 2.1.1.5, 2.1.2.1, 2.2.1.1, 2.3.3.1, 2.3.3.2	15
Unit 2	Number stories, addition and subtraction facts, missing rules, frames-and-arrows, fact families		Solve and write addition and subtraction number stories, identify patterns, practice basic addition and subtraction facts, construct fact families, generate equivalent names for numbers, find mission numbers and rules	number story, column, row, diagonal, sum, difference , fact family, frames and arrows, label, unit , name-collection box, turn-around fact	written and slate Unit 2 assessment, math boxes, other formative assessments	EDM Unit 2 and supplements	2.1.2.1, 2.1.2.2	17
Unit 3	Count by 1s, 5s, 10s, 25s, and 100s, compare and order numbers, tally chart and bar graph, coins and bills		Count by 1s, 10s, 100s and build numbers with base 10 blocks, read and write 2- and 2-digit numbers, count by 5s, 10s, and 25s using coins, count by 5s using analog clock, tell and write times, represent data with tally chart and bar graph, make change	analog and digital clock, bar graph , hour and minute hand, predict, range	written and slate Unit 3 assessment, math boxes, other formative assessments	EDM Unit 3 and supplements	2.1.1.1, 2.1.1.2, 2.1.1.3, 2.1.1.4, 2.1.1.5, 2.1.2.3, 2.1.2.4, 2.1.2.6, 2.2.1.1, 2.3.3.1, 2.3.3.2	11
Unit 4	Number stories, temperature, money, length, 2-digit addition, ballpark estimates, value of digits		Solve variety of number stories, calculate and write coin combinations, read and record temperatures, solve temperature-change problems, estimate money amounts, measure to nearest inch and centimeter, add 2-digit numbers, use ballpark estimates, identify value of digits	algorithm, ballpark estimate , inch (in.), centimeter (cm), degrees Celsius and Fahrenheit, thermometer , change-to-more diagram, parts and total diagram	written and slate Unit 4 assessment, math boxes, other formative assessments	EDM Unit 4 and supplements	2.1.1.2, 2.1.1.4, 2.1.2.2, 2.1.2.3, 2.1.2.4, 2.1.2.5, 2.2.1.1, 2.2.2.1, 2.2.2.2, 2.3.2.1, 2.3.2.2, 2.3.3.2,	12

Unit 5	Line segments, polygons, 3-D shapes, symmetry		Draw line segments, name, compare and construct polygons and 3-D shapes, locate lines of symmetry	angle, apex, base congruent, endpoint, face, <u>symmetry</u> , line segment, <u>parallel</u> , <u>point</u> , <u>side</u> , square corner, straightedge, <u>vertex</u> , <u>vertices</u> , all polygons and 3-D shape names	written and slate Unit 5 assessment, math boxes, other formative assessments	EDM Unit 5 and supplements	2.3.1.1, 2.3.2.1	11
Unit 6	3 addends, addition and subtraction number stories, bar graph, 2-digit subtraction		Use strategies for adding 3 numbers, write number models to solve, generate tally chart and bar graph, develop strategies for subtraction, make and use arrays to solve multiplication and division problems.	array, <u>bar graph</u> , <u>difference</u> , <u>division</u> , <u>equal groups</u> , <u>multiplication</u> , <u>remainder</u> , trade	written and slate Unit 6 assessment, math boxes, other formative assessments, mid-year assessment	EDM Unit 6 and supplements	2.1.1.1, 2.1.2.1, 2.1.2.4, 2.1.2.5, 2.1.2.6, 2.2.1.1, 2.2.2.1, 2.2.2.2	13
Unit 7	Skip counting, sums and differences, 3 addends, double and halve, measure lengths, use data		Skip count on calculator and number grid, find compliments of multiples of 10, add 3 or more numbers, double and halve, measure and compare lengths, collect data, create table and bar graph to answer questions	double, halve, line plot, <u>median</u> , middle value, multiple of 10, sort (the data)	written and slate Unit 7 assessment, math boxes, other formative assessments	EDM Unit 7 and supplements	2.1.1.5, 2.1.2.1, 2.1.2.3, 2.1.2.4, 2.1.2.5, 2.1.2.6, 2.2.1.1, 2.3.2.1, 2.3.2.2	11
Unit 8	Equal parts and fractions		Use manipulatives, models, and fraction cards to name and compare fractions, find equivalent fractions, make up and solve number stories	congruent, cubic cm, <u>denominator</u> , <u>equivalent</u> , <u>fraction</u> , <u>numerator</u> , ONE (the whole), <u>volume</u>	written and slate Unit 8 assessment, math boxes, other formative assessments	EDM Unit 8 and supplements	3.1.3.1, 3.1.3.2, 3.1.3.3	10
Unit 9	Length measurement, area and perimeter, weight		Estimate, measure and compare standard units of length, solve number stories, count squares and lines to find area and perimeter, estimate and compare weights	<u>area</u> , <u>perimeter</u> , capacity, <u>standard unit</u> , metric, surface, all US standard and metric units	written and slate Unit 9 assessment, math boxes, other formative assessments	EDM Unit 9 and supplements	2.3.1.1, 2.3.1.2, 2.3.2.1, 2.3.2.2	12
Unit 10	Coins and bills, count forward by 1s, 10s, 100s, and 1,000s, basic facts, 2 addends number sentences		Calculate coin and bill values, estimate total cost, make and solve money stories, read, write and model numbers to 10,000, identify values of digits, solve number sentences	count up to make change, <u>decimal point</u> , parentheses, <u>place value</u> , ones, tens, hundreds, thousands, ten-thousands	written and slate Unit 10 assessment, math boxes, other formative assessments	EDM Unit 10 and supplements	2.1.1.1, 2.1.1.2, 2.1.1.3, 2.1.1.4, 2.1.1.5, 2.1.2.3, 2.1.2.4, 2.1.2.5, 2.2.1.1, 2.2.2.1, 2.2.2.2, 2.3.3.2	15

Unit 11	Money, addition and subtraction, multiplication and division models		Write and compare money amounts, solve and share solution strategies for addition and subtraction, use arrays, equal groups, and skip counting to model multiplication and division	algorithm, divided by, factor, in each, per, product, quotient, remainder, trade-first (subtraction), turn-around rule (multiplication)	written and slate Unit 11 assessment, math boxes, other formative assessments, and end-of-year assessment	EDM Unit 11 and supplements	2.1.2.5, 2.1.2.6, 2.2.1.1, 2.3.3.2	11
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