


## CURRICULUM OBJECTIVES

<b>NUMBER RECOGNITION</b>			
<b>Arabic Numbers</b>	1	understand and use correctly the word “digit”	
	2	recognize Arabic numbers: 0 – 1,000	
<b><u>Roman Numerals</u></b>	3	recognize Roman numerals: I – XXXIX (1 – 39)	
<b>NUMBER/WORD RECOGNITION</b>			
<b>Number Words</b>	1	write the number words for 0 -10	
	2	write the number words for 10 – 1,000	
<b>Conventions</b>	3	use of comma to separate thousands, (i.e. 1,000, etc.)	
	4	use of hyphen to separate number words (e.g. forty-one)	
<b>PLACE VALUE</b>			
<b>Place Value</b>	1	identify place value in numbers 0 – 1,000	
	2	demonstrate an understanding of “place value”	
	3	place value in whole numbers is found from right to left	
<b>COUNTING</b>			
<b>Counting</b>	1	orally from 0 – 1,000, starting any place in between	
	2	drill and practice counting by 1’s, 2’s, 5’s, and 10’s (0 – 100)	
	3	orally from 1,000 – 100,000, starting any place between	
	4	drill and practice counting by 1’s, 2’s, 5’s, 10’s (1,000 – 100,000)	
<b>Other</b>	5	recognize “<” and “>” signs	
	6	compare numbers with , and . signs	
	7	explain even and odd numbers	
	8	order numbers from least to greatest and greatest to least	
<b>ADDITION</b>			
<b>Terms</b>	1	use the terms “addend” and “sum”	
	2	explain relationship between adding and counting	
	3	recognize and use “+” sign and the “=” sign	
	4	explain “whole number”	
<b>Addition</b>	5	demonstrate an understanding of addition	
	6	master addition facts up to and including 18	
	7	find sum of four whole numbers up to 3 digits	
	8	find sum of four whole numbers up to 4 digits	
	9	add numbers in columns	
	10	add numbers written in equation form	
	11	regroup ones, tens, hundreds, thousands	
	12	insert zero in blank spaces to make addition easier	
	13	the order in which numbers are added doesn’t change the sum	

<b>SUBTRACTION</b>			
<b>Terms</b>	1	use “find the difference between” to signify subtraction	
	2	know the meaning of the subtraction sign “-“	
<b>Subtraction</b>	3	demonstrate an understanding of subtraction	
	4	master subtraction facts up to and including 18	
	5	find the difference in 2 whole numbers up to 3 digits	
	6	find the difference in 2 whole numbers up to 4 digits	
	7	subtract numbers written in columns	
	8	borrow numbers	
	9	regroup ones, tens, hundreds, thousands	
	10	subtract numbers written in equation format	
	11	insert zeros in blank spaces to make subtraction easier	
	12	explain the relation between addition and subtraction	
<b>MULTIPLICATION</b>			
<b>Terms</b>	1	understand and use the term “factor”	
	2	understand and use the term “product”	
	3	recognize and use the multiplication sign “x”	
<b>Multiplication</b>	4	demonstrate an understanding of multiplication	
	5	relation between addition and multiplication	
	6	memorize times table to 12 x 12; use a chart showing relation between numbers	
	7	multiply by zero	
	8	multiply numbers in columns	
	9	multiply numbers written in equation format	
	10	importance of accuracy	
	11	double checking for computational errors	
	12	printing legibly	
	13	order in which numbers are multiplied doesn’t affect the answer	
<b>DIVISION</b>			
<b>Terms</b>	1	understand and use the term dividend	
	2	understand and use the term divisor	
	3	understand and use the term quotient	
	4	understand and use the term remainder	
	5	use the division sign “÷”	
	6	divide using horizontal format “  “	
<b>Division</b>	7	demonstrate an understanding of division	
	8	dividing numbers in horizontal format	
	9	dividing numbers in equation format	
	10	dividing with zero	
	11	explain relation between multiplication and division	
<b>WORD PROBLEMS WITH WHOLE NUMBERS</b>			

<b>Problems</b>	1	demonstrate ability to solve word problems with whole numbers	
<b>Strategies</b>	2	develop good work habits	
	3	read all parts of question carefully	
	4	determine what is asked for or required	
	5	separate information given from question being asked	
	6	record information given and solution required separately	
	7	decide what arithmetic process will solve the problem	
	8	work neatly and arrange work in rows where possible	
	9	label the answer in terms of values given in question	
	10	estimate an answer	
	11	check every step	
	12	compare estimated answer with answer found	
	13	use clue words to solve word problems (e.g. total, sum, how much, how many, increased, altogether, less, fewer, more, difference, left, remains, times, at)	
<b>UNDERSTANDING AND COMPARING FRACTIONS</b>			
<b>Terms</b>	1	explain fraction	
	2	explain numerator and denominator	
<b>Fractions</b>	3	visualize fractions: divide circle or line into correct number of segments to represent a given fraction	
<b>TIME</b>			
<b>Using Time Divisions</b>	1	60 seconds in a minute	
	2	60 minutes in an hour	
	3	24 hours in a day	
	4	7 days in a week	
	5	approximately four weeks in a month	
	6	name the days of the week	
	7	name months of the year	
	8	correctly use a.m. and p.m.	
	9	state the number of days in a given month	
	10	express time in words	
<b>Clocks</b>	11	tell time with an analog clock to the nearest minute	
	12	recognize times (e.g. quarter past four, ten to six)	
	13	tell time with a digital clock (e.g. 1:50 is ten to one)	
	14	use of the colon in writing time (e.g. 2:53)	
<b>MONEY</b>			
<b>Coin Values</b>	1	identify value of coins: penny (cent), nickel, dime, quarter, loonie, and toonie	
	2	use of the "\$" and "¢" signs	
	3	use of decimal point to write dollar/cent amounts	
	4	convert cents to dollars and dollars to cents	
<b>Calculating with</b>	5	use knowledge of decimals to add and subtract money	

<b>Money</b>			
	6	practice counting money and making change	
<b>METRIC MEASUREMENT</b>			
<b>Terms</b>	1	linear, volume, mass measurement	
	2	gram (mass), litre (volume), metre (linear)	
	3	prefixes: milli, centi, deci, (metre, gram, litre), deka, hecto, kilo	
	4	abbreviations linear measure: mm, dm, m, dam, km, cm, hm	
	5	abbreviations volume measure: ml, dl, L, dal, hl, kl, cl	
	6	abbreviations mass measure: mg, cg, g, dag, hg, kg, dg	
	7	faces, edges, vertex, vertices	
	8	square, rectangle, triangle	
<b>Using Metric Measurement</b>	9	estimate and measure accurately: linear measurement	
	10	estimate and measure accurately: volume measurement	
	11	estimate and measure accurately: mass measurement	
	12	identify geometric figures by counting faces, edges, and vertices	
<b>WORD PROBLEMS WITH MEASUREMENT</b>			
<b>Problems</b>	1	demonstrate ability to solve word problems with addition, subtraction, multiplication, and division of whole numbers, time, money, temperature, and metric measurement	
<b>Strategies</b>	2	develop good work habits	
	3	read all parts of question carefully	
	4	determine what is asked for or required	
	5	separate information given from question being asked	
	6	record information given and solution required separately	
	7	decide what arithmetic process will solve the problem	
	8	work neatly and arrange work in rows where possible	
	9	label the answer in terms of values given in question	
	10	estimate an answer	
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