

# **Excel** Math

***AnsMar Publishers, Inc.***

**(K - 6) CURRICULUM**

## **1st Grade Scope & Sequence**

**March 15, 2007**

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# Scope & Sequence of Lessons & Activities

by lesson number

## # Lesson Concept

## # Activity Concept

<b>PLACE VALUE AND COUNTING</b>			
<b>Counting objects</b>			
6	Learning the concept of 10	2	Grouping and counting similar items
13	Learning the concept of 11	4	Grouping and counting items based on varying data
16	Learning the concept of 12	41	Using tally marks to count
21	Learning the concept of 13 and 14		
24	Learning the concept of 15 and 16		
33	Learning the concept of 17, 18 and 19		
42	Counting up to 29		
61	Counting up to 39		
70	Counting up to 49		
72	Counting up to 59		
74	Counting up to 69		
82	Counting up to 99		
130	Counting past 100		
<b>Place value</b>			
63	Grouping by ten when counting	11	Determining the higher value in a pair of numerals between 0 and 9
69	Grouping by tens when counting over 19	12	Determining the lesser value in a pair of numerals between 0 and 9
86	Recognizing numbers represented by tens and ones	27	Recognizing numeral equivalents
		33	Practicing regrouping
		106	Comparing and ranking two 2-digit numbers
		111	Exchanging ones and tens
		131	Matching numbers that are 1 apart and those that are 10 apart
<b>Recognizing numbers</b>			
1	Using the numerals 0 to 9	3	Creating numerals out of common materials
2	Selecting the correct numeral for a given set	E1	Using numbers in different ways
3	Writing the correct numeral for a given set	T1	Recognizing numerals 1 through 9
4	Writing the correct numeral for a given set	E2	Finding and writing numbers
46	Recognizing the words zero, one, two, three, four and five	BT2	Coloring numbered sections
47	Recognizing the words six, seven, eight, nine and ten	E4	Using words to describe shapes and numbers
59	Recognizing the ordinals first through fifth	46	Representing numbers in multiple ways
82	Recognizing the words eleven, twelve and thirteen	47	Representing numbers with movement
94	Recognizing the words twenty, thirty, forty, fourteen and fifteen	E6	Identifying math words
98	Recognizing the words sixteen, seventeen, eighteen and nineteen	82	Representing numbers in multiple ways
109	Recognizing the words fifty and sixty	E10	Identifying math symbols
113	Recognizing the words seventy, eighty and ninety	114	Writing number words to match the correct numerals
118	Recognizing any number word less than 100	T10	Drawing numerals with straight lines
132	Recognizing the ordinals first through tenth	132	Creating numerals using limbs
<b>Series and Patterns</b>			
5	Filling in missing numbers when counting by 1 (0 through 9)	6	Recognizing, describing and creating patterns of sound and motion
10	Filling in missing numbers when counting down	8	Using colors and shapes to represent patterns of sound and motion
17	Filling in missing numbers when counting up or down crossing 10	9	Using colors and shapes to represent patterns of motion
19	Filling in more than one missing number when counting up crossing 10	17	Comparing and sorting common objects using a variety of criteria
25	Completing a pattern of shapes	19	Modeling activity and sound patterns using shapes and colors
36	Filling in more than one missing number when counting down	22	Observing and recreating patterns using visual memory

E = Exercise

BT = Back of Test

# Scope & Sequence of Lessons & Activities

by lesson number

## # Lesson Concept

## # Activity Concept

40	Filling in missing numbers in the middle of number series	23	Modeling patterns of movement
65	Drawing, sorting and comparing geometric shapes	26	Comparing figures and grouping them into sets
75	Sorting geometric figures by common attributes	T3	Coloring shapes and completing patterns
90	Recognizing whether a number series is counting by 1, 5 or 10	34	Identifying shared characteristics of members of a set
102	Filling in missing numbers when counting by 10	37	Identifying similarities and differences between like objects
112	Filling in missing numbers when counting by 5	51	Observing and recreating patterns using visual memory
124	Recognizing a number series counting by even twos	56	Representing patterns of motion and sound verbally and with blocks
133	Recognizing a number series counting by odd twos	59	Creating patterns using animal shapes
144	Filling in missing numbers when counting by twos	72	Using family relationships to group people into sets
		78	Creating repeating patterns using pictures
		87	Identifying, describing and creating patterns
		BT8	Identifying number series that are counting up
		93	Finding minor differences between similar images
		98	Acting out patterns of sound and motion from written descriptions
		104	Sorting similar objects and recording differences between them
		137	Sorting capital letters according to curved and straight lines
		147	Classifying images by their characteristics
		154	Completing a pattern of shapes
	<b>Putting things in order</b>		
7	Matching a set with an equal number of items	44	Putting events into order
11	Selecting the set with the most items	76	Arranging a series of events in a logical order
12	Selecting the set with the fewest items	139	Arranging a sequence of events in pictorial form
28	Identifying a set that has 1 more item than a given set		
34	Identifying a set that has 1 less item than a given set		
52	Selecting the number with the greatest value		
53	Selecting the number with the least value		
80	Selecting a number that is less than a given number		
81	Selecting a number that is greater than a given number		
91	Putting 3 numbers in order from least to greatest		
	<b>Number lines</b>		
78	Using number lines to solve addition problems		
79	Using number lines to solve subtraction problems		
92	Writing a number sentence from a number line		
	<b>ADDITION OF WHOLE NUMBERS</b>		
	<b>Addition facts</b>		
14	Adding 2 numbers with a sum less than 6	18	Practicing addition facts
15	Adding 2 numbers with a sum less than 6	BT2	Solving addition problems
18	Adding 2 numbers with a sum less than 10	E3	Adding horizontally
22	Learning the addition facts of 10	27	Adding numbers
32	Adding 3 numbers with a sum less than 10	58	Practicing addition and subtraction facts using listening skills
35	Learning the addition facts of 11	73	Modeling fact families
38	Adding and subtracting 2 numbers horizontally	117	Calculating sums and differences for pairs of numbers
39	Adding and subtracting 2 numbers horizontally	118	Adding numbers and moving game pieces based on calculations
41	Learning the addition facts of 12		

# Scope & Sequence of Lessons & Activities

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## # Lesson Concept

## # Activity Concept

43	Adding 2 numbers starting with the larger number		
48	Adding a one-digit and a two-digit number with a sum less than 20		
49	Adding a one-digit and a two-digit number with a sum less than 20		
54	Learning the addition facts of 13		
64	Adding 3 one-digit numbers with a sum greater than 10		
70	Learning the addition facts of 14		
71	Recognizing addition and subtraction fact families up to 9		
72	Recognizing addition and subtraction fact families up to 9		
84	Learning the addition facts of 15, 16, 17 and 18		
99	Adding 4 one-digit numbers with a sum less than 20		
114	Adding 4 one-digit numbers with a sum greater than 19		
127	Recognizing basic fact families with sums of 10 and greater		
142	Adding 3 one-digit numbers horizontally		
149	Adding 3 one-digit numbers with a sum greater than 19		
	<b>No Regrouping</b>		
96	Adding a two-digit number and a one-digit number		
97	Adding 2 two-digit numbers		
122	Adding 2 two-digit numbers horizontally		
136	Adding a two-digit number and a one-digit number horizontally		
	<b>Regrouping</b>		
146	Regrouping when adding two-digit and one-digit number with number line		
147	Regrouping when adding two-digit and one-digit number		
	<b>SUBTRACTION OF WHOLE NUMBERS</b>		
	<b>Subtraction facts</b>		
30	Subtracting 2 numbers with a minuend less than 6	31	Practicing subtraction facts
31	Subtracting 2 numbers with a minuend less than 6	58	Practicing addition and subtraction facts using listening skills
37	Subtracting 2 numbers with a minuend less than 8	73	Modeling fact families
38	Adding and subtracting 2 numbers horizontally	117	Calculating sums and differences for pairs of numbers
39	Adding and subtracting 2 numbers horizontally	127	Subtracting repeatedly from 90 to zero
44	Subtracting 2 one-digit numbers with a minuend less than 10		
58	Learning the subtraction facts up through 10		
71	Recognizing addition and subtraction fact families up to 9		
74	Learning the subtraction facts of 11		
88	Learning the subtraction facts of 12		
93	Learning the subtraction facts of 13		
106	Learning the subtraction facts of 14 and 15		
116	Learning the subtraction facts of 16, 17 and 18		
127	Recognizing basic fact families with sums of 10 and greater		
	<b>No Regrouping</b>		
110	Subtracting a one-digit number from a two-digit number		
111	Subtracting 2 two-digit numbers		

# Scope & Sequence of Lessons & Activities

by lesson number

#	Lesson Concept	#	Activity Concept
123	Subtracting 2 two-digit numbers horizontally		
137	Subtracting a one-digit number from a two-digit number horizontally		
	<b>FRACTIONS</b>		
107	Learning the parts of a fraction and filling in the denominator	134	Writing fractions that represent sets shown in Venn diagrams
108	Filling in the denominator of a fraction		
119	Filling in the numerator of a fraction		
128	Finding the fractional part of a group of figures		
148	Filling in the numerator and the denominator of a fraction		
155	Adding and subtracting fractions		
	<b>MONEY</b>		
23	Recognizing and adding pennies and using the cents symbol	68	Identifying and comparing coins
29	Recognizing and adding nickels	81	Studying different coin designs
51	Recognizing and adding dimes	83	Studying different coins
68	Recognizing and adding quarters	84	Creating coin designs
68	Using the dollar symbol and decimal point	128	Identifying coins by their size and characteristics
139	Identifying coins that add to a given amount	144	Calculating the number of coins used to give change
154	Using the dollar symbol and decimal		
154	Recognizing dollar coins and bills		
	<b>TIME - CLOCK</b>		
26	Telling time on a clock by the hour	BT11	Writing times shown on a clock
27	Telling time by the hour	143	Sorting clocks according to the times they show
62	Telling time by the half hour		
138	Telling time by 5 minutes, given the hour		
143	Estimating how much time events take		
143	Identifying least or most time		
152	Telling time by 5 minutes		
	<b>TIME - CALENDAR</b>		
76	Recognizing the days of the week	E9	Writing days, seasons, months and holidays
95	Learning day, week, month, year	BT11	Matching time and days with activities
95	Naming the twelve months of the year		
	<b>ODD AND EVEN NUMBERS</b>		
131	Recognizing odd and even numbers up to 10		
	<b>WORD PROBLEMS</b>		
45	Writing number sentences using addition	E8	Writing word problems from pictures
57	Writing number sentences using subtraction	92	Modeling word problems involving numbers
66	Writing number sentences from word problems using addition	123	Combining numbers to form true number sentences
67	Writing number sentences from word problems using subtraction		

# Scope & Sequence of Lessons & Activities

by lesson number

## # Lesson Concept

## # Activity Concept

77	Obtaining numerical information from a word problem		
85	Solving word problems using addition		
100	Solving word problems using subtraction		
101	Solving word problems using addition and subtraction		
	<b>MEASUREMENTS</b>		
50	Measuring length with non-standard units	B13	Comparing longer and shorter
56	Measuring a line segment to the nearest inch	14	Comparing heavier and lighter
83	Measuring a line segment to the nearest centimeter	21	Filling a container using multiple smaller containers
87	Reading scales measuring volume, temperature and weight	24	Measuring objects using non-standard units
		32	Measuring and comparing various dimensions
		39	Sorting items according to weight
		39	Learning the terms heavier, lighter and the same
		42	Measuring and comparing temperatures
		43	Weighing an object using non-standard units
		48	Filling large containers using smaller containers of different sizes
		E5	Measuring shapes with various rulers
		E5	Defining the characteristics of a good ruler.
		52	Determining which of two containers has the greater volume
		53	Determining which of four objects weighs the least
		63	Weighing various objects
		69	Balancing a scale by moving weights from one side to the other
		71	Using various tools to measure volume
		T7	Measuring objects drawn to scale; recording heights in a table
		91	Working with non-standard measurement units
		136	Using a balance to compare the weight of different packages
	<b>GEOMETRY</b>		
	<b>Shapes and figures</b>		
8	Identifying circles, squares, triangles and rectangles	7	Creating shapes with string
9	Continued - Identifying circles, squares, triangles and rectangles	E3	Identifying geometric figures and their positions
25	Completing a pattern of shapes	BT4	Recognizing and counting irregular shapes
50	Measuring length with non-standard units	49	Finding multiple geometric shapes in one complex figure
56	Measuring a line segment to the nearest inch	57	Fitting simple shapes over a complex shape
65	Drawing, sorting and comparing geometric shapes	61	Creating triangles and other shapes from rectangular pieces
75	Sorting geometric figures by common attributes	64	Creating geometric shapes by moving lines
83	Measuring a line segment to the nearest centimeter	T6	Drawing round and triangular shapes
125	Reasoning using overlapping figures	E7	Describing shapes in words; drawing shapes from descriptions
135	Identifying and drawing lines, sides, angles, corners and vertices	88	Creating different shapes by adding lines to a drawing
150	Recognizing and naming solid shapes	BT8	Identifying geometric figures
151	Identifying solid shapes	97	Creating shapes by removing lines from a drawing
153	Drawing lines of symmetry	BT9	Completing a maze and identifying shapes
		101	Creating similar shapes using colored pattern blocks
		103	Changing the appearance of a shape by moving lines
		107	Changing the appearance of a shape by moving lines

# Scope & Sequence of Lessons & Activities

by lesson number

#	Lesson Concept	#	Activity Concept
		109	Overlaying small pattern blocks onto complex shapes
		112	Creating shapes by moving lines on a drawing
		119	Overlaying small pattern blocks onto complex shapes
		121	Creating shapes by removing lines from a drawing
		122	Drawing lines of symmetry on letters
		124	Creating animal figures using pattern blocks
		126	Finding basic shapes within complex figures
		129	Creating tile designs using pattern blocks
		133	Creating shapes by removing lines from a drawing
		148	Drawing geometric shapes from a verbal description of the shape
		152	Creating similar shapes using colored pattern blocks
		153	Creating shapes by removing lines from a drawing
	<b>Position and Direction</b>		
20	Identifying comparison and position word pairs	28	Identifying a point's location using the words inside and outside
140	Recognizing flips, slides and turns	36	Giving and following directions using location terms
145	Following directions to get to a location	38	Identifying vertical, diagonal and horizontal objects
		74	Demonstrating positional words
		77	Finding a location based on verbal directions
		79	Explaining how to get from one point to another on a map
		86	Creating mirror images of complex shapes
		89	Moving objects in a logical manner
		116	Giving directions to get from one point to another on a map
	<b>ESTIMATING</b>		
134	Estimating answers	29	Estimating quantities in a container
143	Estimating how much time events take	41	Estimating quantities
		138	Estimating the amount of time activities will take
	<b>PRE-ALGEBRA</b>		
45	Writing number sentences using addition	131	Matching numbers that are 1 apart and those that are 10 apart
57	Writing number sentences using subtraction		
60	Selecting the correct operation		
66	Writing number sentences from word problems using addition		
67	Writing number sentences from word problems using subtraction		
89	Calculating value of a number shown as sum or difference of 2 numbers		
103	Filling in missing addends in a number sentence		
104	Continued - Filling in missing addends in a number sentence		
117	Filling in missing subtrahends in a number sentence		
121	Recognizing the < less than, > greater than and = equal to symbols		
126	Calculating a number one more or one less than a given number		
129	Calculating a number ten more or ten less than a given number		
141	Filling in a missing number on one side of a number sentence		

# Scope & Sequence of Lessons & Activities

by lesson number

## # Lesson Concept

## # Activity Concept

<b>PROBABILITY AND LOGIC</b>			
55	Learning certain, impossible, likely and unlikely	16	Making a selection based on observation of clues
125	Reasoning using overlapping figures	54	Discovering all the possible combinations of items
		BT5	Using probability words in sentences
		62	Solving logic problems
		66	Determining probability by rolling dice
		67	Completing a probability chart
		94	Creating pie charts to represent the probability of selecting objects
		96	Identifying possible combinations
		102	Calculating probability based on information in a Venn diagram
		108	Identifying all possible orders
		113	Identifying items by process of elimination
		146	Solving logic puzzles and rewriting puzzles so that the answer is true
		149	Solving logic puzzles and rewriting puzzles so that the answer is true
		151	Solving logic puzzles by trial and error
<b>GRAPHS</b>			
73	Gathering information with tally charts	14	Recording results on a chart
105	Observing change and determining the order of events	94	Creating pie charts to represent the probability of selecting objects
115	Interpreting information given in picture graphs	99	Representing the intersection of sets with Venn diagrams
120	Gathering information to put into graphs	102	Calculating probability based on information in a Venn diagram
		E11	Writing weather facts, quantitative and qualitative
		E12	Graphing information in different ways
		136	Creating and analyzing graphs
		141	Creating a virtual picture chart
		142	Determining the best type of chart to use to display information

E = Exercise

BT = Back of Test

# Lesson & Activity Concepts

by page number

#	Pg	Lesson Concept	Activity Concept
1	2	Using the numerals 0 to 9	
2	4	Selecting the correct numeral for a given set	Grouping and counting similar items
3	6	Writing the correct numeral for a given set	Creating numerals out of common materials
4	8	Writing the numerals 1 through 9	Grouping and counting items based on varying data
5	10	Filling in missing numbers when counting by 1 (0 through 9)	
E1	12	<b>Exercise 1</b>	Using numbers in different ways
6	14	Learning the concept of 10	Recognizing, describing and creating patterns of sound and motion
7	16	Matching a set with an equal number of items	Creating shapes with string
8	18	Identifying circles, squares, triangles and rectangles	Using colors and shapes to represent patterns of sound and motion
9	20	Identifying circles, squares, triangles and rectangles	Using colors and shapes to represent patterns of motion
10	22	Filling in missing numbers when counting down	
T1	24	<b>Test 1</b>	Recognizing numerals 1 through 9
11	26	Selecting the set with the most items	Determining the higher value in a pair of numerals between 0 and 9
12	28	Selecting the set with the fewest items	Determining the lesser value in a pair of numerals between 0 and 9
13	30	Learning the concept of 11	Comparing longer and shorter
14	32	Adding 2 numbers with a sum less than 6	Comparing heavier and lighter; recording results on a chart
15	34	Adding 2 numbers with a sum less than 6	
E2	36	<b>Exercise 2</b>	Finding and writing numbers
16	38	Learning the concept of 12	Making a selection based on observation of clues
17	40	Filling in missing numbers when counting up or down and crossing 10	Comparing and sorting common objects using a variety of criteria
18	42	Adding 2 numbers with a sum less than 10	Practicing addition facts
19	44	Filling in more than 1 missing number when counting up crossing 10	Modeling activity and sound patterns using shapes and colors
20	46	Identifying comparison and position word pairs	
T2	48	<b>Test 2</b>	Solving addition problems; coloring numbered sections
21	50	Learning the concept of 13 and 14	Filling a container using multiple smaller containers
22	52	Learning the addition facts of 10	Observing and recreating patterns using visual memory
23	54	Recognizing and adding pennies and using the cents symbol	Modeling patterns of movement
24	56	Learning the concept of 15 and 16	Measuring objects using non-standard units
25	58	Completing a pattern of shapes	
E3	60	<b>Exercise 3</b>	Identifying geometric figures and their positions; adding horizontally
26	62	Telling time on a clock by the hour	Comparing figures and grouping them into sets
27	64	Telling time by the hour	Recognizing numeral equivalents; adding numbers
28	66	Identifying a set that has 1 more item than a given set	Identifying a point's location using the words inside and outside
29	68	Recognizing and adding nickels	Estimating quantities in a container
30	70	Subtracting 2 numbers with a minuend less than 6	
T3	72	<b>Test 3</b>	Coloring shapes and completing patterns
31	74	Subtracting 2 numbers with a minuend less than 6	Practicing subtraction facts
32	76	Adding 3 numbers with a sum less than 10	Measuring and comparing various dimensions
33	78	Learning the concept of 17, 18 and 19	Practicing regrouping
34	80	Identifying a set that has 1 less item than a given set	Identifying shared characteristics of members of a set
35	82	Learning the addition facts of 11	
Q1	84	<b>1st Quarter Test</b>	
36	86	Filling in more than 1 missing number when counting up or down	Giving and following directions using location terms
37	88	Subtracting 2 numbers with a minuend less than 8	Identifying similarities and differences between like objects
38	90	Adding and subtracting 2 numbers horizontally	Identifying vertical, diagonal and horizontal objects
39	92	Adding and subtracting 2 numbers horizontally	Sorting items by weight; learning the terms heavier, lighter and the same
40	94	Filling in more than 1 missing number in the middle of a number series	
E4	96	<b>Exercise 4</b>	Using words to describe shapes and numbers

# Lesson & Activity Concepts

by page number

#	Pg	Lesson Concept	Activity Concept
41	98	Learning the addition facts of 12	Estimating quantities; using tally marks to count
42	100	Counting up to 29	Measuring and comparing temperatures
43	102	Adding 2 numbers starting with the larger number	Weighing an object using non-standard units
44	104	Subtracting 2 one-digit numbers with a minuend less than 10	Putting events into order
45	106	Writing number sentences using addition	
T4	108	<b>Test 4</b>	Recognizing and counting irregular shapes
46	110	Recognizing the words zero, one, two, three, four and five	Representing numbers in multiple ways
47	112	Recognizing the words six, seven, eight, nine and ten	Representing numbers with movement
48	114	Adding a one-digit and a two-digit number with a sum less than 20	Filling large containers using smaller containers of different sizes
49	116	Adding a one-digit and a two-digit number with a sum less than 20	Finding multiple geometric shapes in one complex figure
50	118	Measuring length with non-standard units	
E5	120	<b>Exercise 5</b>	Measuring shapes with various rulers; defining a good measuring tool
51	122	Recognizing and adding dimes	Observing and recreating patterns using visual memory
52	124	Selecting the number with the greatest value	Determining which of two containers has the greater volume
53	126	Selecting the number with the least value	Determining which of four objects weighs the least
54	128	Learning the addition facts of 13	Discovering all the possible combinations of items
55	130	Learning certain, impossible, likely and unlikely	
T5	132	<b>Test 5</b>	Using probability words in sentences
56	134	Measuring a line segment to the nearest inch	Representing patterns of motion and sound verbally and using blocks
57	136	Writing number sentences using subtraction	Fitting simple shapes over a complex shape
58	138	Learning the subtraction facts up through 10	Practicing addition and subtraction facts using listening skills
59	140	Recognizing and writing the ordinals first through fifth	Creating patterns using animal shapes
60	142	Selecting the correct operation	
E6	144	<b>Exercise 6</b>	Identifying math words
61	146	Counting up to 39	Creating triangles and other shapes from rectangular pieces
62	148	Telling time by the half hour	Solving logic problems
63	150	Grouping by ten when counting	Weighing various objects
64	152	Adding 3 one-digit numbers with a sum greater than 10	Creating geometric shapes by moving lines
65	154	Drawing, sorting and comparing geometric shapes	
T6	156	<b>Test 6</b>	Drawing round and triangular shapes
66	158	Writing number sentences from word problems using addition	Determining probability by rolling dice
67	160	Writing number sentences from word problems using subtraction	Completing a probability chart
68	162	Recognizing and adding quarters; using dollar symbol and decimal point	Identifying and comparing coins
69	164	Grouping by tens when counting over 19	Balancing a scale by moving weights from one side to the other
70	166	Learning the addition facts of 14; counting up to 49	
Q2	168	<b>2nd Quarter Test</b>	
71	170	Recognizing addition and subtraction fact families up to 9	Using various tools to measure volume
72	172	Counting up to 59	Using family relationships to group people into sets
73	174	Gathering information with tally charts	Modeling fact families
74	176	Learning the subtraction facts of 11; counting up to 69	Demonstrating positional words
75	178	Sorting geometric figures by common attributes	
E7	180	<b>Exercise 7</b>	Describing shapes in words; drawing shapes from descriptions
76	182	Recognizing the days of the week	Arranging a series of events in a logical order
77	184	Obtaining numerical information from a word problem	Finding a location based on verbal directions
78	186	Using number lines to solve addition problems	Creating repeating patterns using pictures
79	188	Using number lines to solve subtraction problems	Explaining how to get from one point to another on a map
80	190	Selecting a number that is less than a given number	
T7	192	<b>Test 7</b>	Measuring objects drawn to scale; recording heights in a table

# Lesson & Activity Concepts

by page number

#	Pg	Lesson Concept	Activity Concept
81	194	Selecting a number that is greater than a given number	Studying different coin designs
82	196	Recognizing the words eleven, twelve and thirteen; counting up to 99	Representing numbers in multiple ways
83	198	Measuring a line segment to the nearest centimeter	Studying different coins
84	200	Learning the addition facts of 15, 16, 17 and 18	Creating coin designs
85	202	Solving word problems using addition	
E8	204	<b>Exercise 8</b>	Writing word problems from pictures
86	206	Recognizing numbers represented by tens and ones	Creating mirror images of complex shapes
87	208	Reading scales measuring volume, temperature and weight	Identifying, describing and creating patterns
88	210	Learning the subtraction facts of 12	Creating different shapes by adding lines to a drawing
89	212	Calculating value of a number shown as sum or difference of 2 numbers	Moving objects in a logical manner
90	214	Recognizing a number series counting by 1, 5 or 10	
T8	216	<b>Test 8</b>	Identifying geometric figures; identifying number series counting up
91	218	Putting 3 numbers in order from least to greatest	Working with non-standard measurement units
92	220	Writing a number sentence from a number line	Modeling word problems involving numbers
93	222	Learning the subtraction facts of 13	Finding minor differences between similar images
94	224	Recognizing the words fourteen, fifteen, twenty, thirty and forty	Creating pie charts to represent the probability of selecting objects
95	226	Learning day, week, month, year; naming the twelve months of the year	
E9	228	<b>Exercise 9</b>	Writing days, seasons, months and holidays
96	230	Adding a two-digit number and a one-digit number	Identifying possible combinations
97	232	Adding 2 two-digit numbers	Creating shapes by removing lines from a drawing
98	234	Recognizing the words sixteen, seventeen, eighteen and nineteen	Acting out patterns of sound and motion from written descriptions
99	236	Adding 4 one-digit numbers with a sum less than 20	Representing the intersection of sets with Venn diagrams
100	238	Solving word problems using subtraction	
T9	240	<b>Test 9</b>	Completing a maze and identifying shapes
101	242	Solving word problems using addition and subtraction	Creating similar shapes using colored pattern blocks
102	244	Filling in missing numbers when counting by 10	Calculating probability based on information in a Venn diagram
103	246	Filling in missing addends in a number sentence	Changing the appearance of a shape by moving lines
104	248	Filling in missing addends in a number sentence	Sorting similar objects and recording differences between them
105	250	Observing change and determining the order of events	
Q3	252	<b>3rd Quarter Test</b>	
106	254	Learning the subtraction facts of 14 and 15	Comparing and ranking two 2-digit numbers
107	256	Learning the parts of a fraction and filling in the denominator	Changing the appearance of a shape by moving lines
108	258	Filling in the denominator of a fraction	Identifying all possible orders
109	260	Recognizing the words fifty and sixty	Overlaying small pattern blocks onto complex shapes
110	262	Subtracting a one-digit number from a two-digit number	
E10	264	<b>Exercise 10</b>	Identifying math symbols
111	266	Subtracting 2 two-digit numbers	Exchanging ones and tens
112	268	Filling in missing numbers when counting by 5	Creating shapes by moving lines on a drawing
113	270	Recognizing the words seventy, eighty and ninety	Identifying items by process of elimination
114	272	Adding 4 one-digit numbers with a sum greater than 19	Writing number words to match the correct numerals
115	274	Interpreting information given in picture graphs	
T10	276	<b>Test 10</b>	Drawing numerals with straight lines
116	278	Learning the subtraction facts of 16, 17 and 18	Giving directions to get from one point to another on a map
117	280	Filling in missing subtrahends in a number sentence	Calculating sums and differences for pairs of numbers
118	282	Recognizing any number word less than 100	Adding numbers and moving game pieces based on calculations
119	284	Filling in the numerator of a fraction	Overlaying small pattern blocks onto complex shapes
120	286	Gathering information to put into graphs	
E11	288	<b>Exercise 11</b>	Writing weather facts, quantitative and qualitative

# Lesson & Activity Concepts

by page number

#	Pg	Lesson Concept	Activity Concept
121	290	Recognizing the < less than, > greater than and = equal to symbols	Creating shapes by removing lines from a drawing
122	292	Adding 2 two-digit numbers horizontally	Drawing lines of symmetry on letters
123	294	Subtracting 2 two-digit numbers horizontally	Combining numbers to form true number sentences
124	296	Recognizing a number series counting by even twos	Creating animal figures using pattern blocks
125	298	Reasoning using overlapping figures	
T11	300	<b>Test 11</b>	Writing times shown on a clock; matching time and days with activities
126	302	Calculating a number one more or one less than a given number	Finding basic shapes within complex figures
127	304	Recognizing basic fact families with sums of 10 and greater	Subtracting repeatedly from 90 to zero
128	306	Finding the fractional part of a group of figures	Identifying coins by their size and characteristics
129	308	Calculating a number ten more or ten less than a given number	Creating tile designs using pattern blocks
130	310	Counting past 100	
E12	312	<b>Exercise 12</b>	Graphing information in different ways
131	314	Recognizing odd and even numbers up to 10	Matching numbers that are 1 apart and those that are 10 apart
132	316	Recognizing and writing the ordinals first through tenth	Creating numerals using limbs
133	318	Recognizing a number series counting by odd twos	Creating shapes by removing lines from a drawing
134	320	Estimating answers	Writing fractions that represent sets shown in Venn diagrams
135	322	Identifying and drawing lines, sides, angles, corners and vertices	
T12	324	<b>Test 12</b>	Reasoning from evidence and sequence of events
136	326	Adding a two-digit number and a one-digit number horizontally	Comparing weight of different packages; creating and analyzing graphs
137	328	Subtracting a one-digit number from a two-digit number horizontally	Sorting capital letters according to curved and straight lines
138	330	Telling time by 5 minutes, given the hour	Estimating the amount of time activities will take
139	332	Identifying coins that add to a given amount	Arranging a sequence of events in pictorial form
140	334	Recognizing flips, slides and turns	
Q4	336	<b>4th Quarter Test</b>	
141	338	Filling in a missing number on one side of a number sentence	Creating a virtual picture chart
142	340	Adding 3 one-digit numbers horizontally	Determining the best type of chart to use to display information
143	342	Estimating how much time events take; identifying least or most time	Sorting clocks according to the times they show
144	344	Filling in missing numbers when counting up by twos	Calculating maximum number of coins that can be used to give change
145	346	Following directions to get to a location	
YE1	348	<b>Year End Test I</b>	
146	350	Regrouping when adding a two-digit and one-digit number using a number line	Solving logic puzzles and rewriting puzzles so that the answer is true
147	352	Regrouping when adding a two-digit and one-digit number	Classifying images by their characteristics
148	354	Filling in the numerator and the denominator of a fraction	Drawing geometric shapes from a verbal description of the shape
149	356	Adding 3 one-digit numbers with a sum greater than 19	Solving logic puzzles and rewriting puzzles so that the answer is true
150	358	Recognizing and naming solid shapes	
YE2	360	<b>Year End Test II</b>	
151	362	Identifying solid shapes	Solving logic puzzles by trial and error
152	364	Telling time by 5 minutes	Creating similar shapes using colored pattern blocks
153	366	Drawing lines of symmetry	Creating shapes by removing lines from a drawing
154	368	Using the dollar symbol and decimal; recognizing dollar coins and bills	Completing a pattern of shapes
155	370	Adding and subtracting fractions	