

# Scope & Sequence of Lessons & Activities

by lesson number

## Second Grade

### # Lesson Concept

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#### PLACE VALUE AND COUNTING

##### Place value

- 54 Grouping items by tens
- 64 Writing numbers that are represented in tens and ones
- 74 Learning about tens and ones places
- 91 Recognizing the hundreds places
- 123 Solving place value problems with a zero in the tens or ones place

##### Recognizing number words

- 7 Recognizing the ordinals first through fifth
- 17 Recognizing the words for numbers - zero through ten
- 24 Recognizing the words twenty, thirty, forty and fifty
- 28 Recognizing the words eleven, twelve, thirteen and fourteen
- 33 Recognizing the words sixty, seventy, eighty and ninety
- 38 Recognizing the words fifteen, sixteen, seventeen, eighteen and nineteen
- 41 Recognizing any number less than 100
- 76 Recognizing the ordinals sixth through tenth
- 92 Recognizing any number up through 999, not having zeros
- 148 Recognizing any number up to 999

##### Series and Patterns

- 2 Filling in missing numbers when counting by one (zero through nine)
- 18 Filling in missing numbers when counting up and crossing a ten
- 26 Filling in missing numbers when counting down and crossing a ten
- 37 Recognizing by what a number a sequence is counting
- 47 Filling in missing numbers when counting by 5 or 10
- 70 Filling in a missing number when counting by two
- 87 Filling in missing numbers when counting by two and crossing a ten
- 93 Recognizing a sequence counting by ten (23, 33, 43, 53)

##### Putting things in order

- 3 Evaluating numbers using the words most, least, greatest value, least value
- 14 Putting 3 two-digit numbers in order
- 61 Putting four numbers in order from least to greatest
- 73 Putting 4 two-digit numbers in order from greatest to least
- 142 Evaluating three-digit numbers

##### Mathematical Symbols (<, >, =, ≠)

- 12 Recognizing the symbols "<" less than, ">" greater than and "=" equal
- 112 Discerning true number sentences using <, >, = and ≠
- 112 Defining the word equation
- 124 Using pairs of numbers in < and > problems
- 142 Evaluating three-digit numbers

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#### **ADDITION OF WHOLE NUMBERS**

##### **Addition facts**

- 1 Learning the addition facts up through nine
- 4 Adding 3 one-digit numbers
- 9 Learning the addition facts of ten and eleven
- 16 Adding 3 one-digit numbers with a sum less than twenty
- 20 Recognizing addition and subtraction fact families
- 21 Adding 3 one-digit numbers horizontally
- 28 Learning the addition facts of twelve and thirteen
- 36 Learning the addition facts of fourteen and fifteen
- 48 Learning the addition facts of 16, 17 and 18
- 51 Adding 4 one-digit numbers
- 95 Solving word problems using repeated addition
- 147 Adding 3 or 4 one-digit numbers where the sum is greater than 19 and less than 30

##### **No Regrouping**

- 11 Adding a two-digit and a one-digit number
- 16 Adding 2 two-digit numbers
- 34 Adding 3 two-digit numbers without regrouping
- 79 Adding money amounts
- 86 Adding money amounts horizontally
- 92 Adding 2 three-digit numbers

##### **Regrouping**

- 22 Regrouping using the facts of ten when adding a two-digit and a one-digit number
- 31 Regrouping when adding 2 two-digit numbers using the sums of ten
- 39 Regrouping using the addition facts of eleven
- 46 Adding 3 two-digit numbers with regrouping
- 49 Regrouping using the addition facts of twelve
- 59 Regrouping using the addition facts of thirteen
- 68 Regrouping using the addition facts of fourteen
- 76 Regrouping using the addition facts of 15, 16, 17 & 18
- 106 Regrouping to the tens place when adding 2 three-digit numbers
- 118 Adding 4 two-digit numbers
- 122 Regrouping with the hundreds place when adding
- 133 Regrouping twice when adding 2 three-digit numbers
- 133 Adding 3 three-digit numbers, regrouping once
- 138 Learning to regroup using money amounts
- 146 Regrouping twice when adding 3 three-digit numbers

#### **SUBTRACTION OF WHOLE NUMBERS**

##### **Subtraction facts**

- 1 Learning the subtraction facts up through nine
- 13 Learning the subtraction facts of ten and eleven
- 20 Recognizing addition and subtraction fact families
- 42 Learning the subtraction facts of 12 and 13
- 56 Learning the subtraction facts of 14 and 15
- 67 Learning the subtraction facts of 16, 17 and 18

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### # Activity Concept

#### No Regrouping

- 11 Subtracting a two-digit and a 1-digit number
- 16 Subtracting 2 two-digit numbers
- 79 Subtracting money amounts
- 86 Subtracting money amounts horizontally

#### Regrouping

- 92 Subtracting 2 three-digit numbers
- 71 Two-digit minus a one-digit – using the facts of 10
- 72 Two-digit minus a one-digit – using the facts of 10
- 82 Two-digit minus a two-digit – using the facts of 10
- 88 Regrouping using the facts up through 11
- 94 Regrouping using the facts up through 13
- 107 Regrouping using the facts up through 15
- 116 Regrouping with the tens place when subtracting 2 three-digit numbers
- 118 Regrouping using the facts up through 18
- 129 Regrouping only with the hundreds place when subtracting
- 138 Learning to regroup using money amounts
- 139 Regrouping twice when subtracting 2 three-digit numbers
- 145 Subtracting three-digit numbers, regrouping twice, when there is a 1 or a 0 in the tens place

### MULTIPLICATION OF WHOLE NUMBERS

- 108 Learning the multiplication facts with products up through ten and products with 2 as a factor
- 121 Learning the multiplication facts with products with 5 as a factor
- 125 Learning to solve word problems involving multiplication
- 131 Learning the multiplication facts with products up to 20
- 137 Recognizing multiplication and division fact families
- 141 Learning the multiplication facts with products less than 100 and with 10 or 11 as a factor

### DIVISION OF WHOLE NUMBERS

- 113 Solving division story problems by selecting the correct model
- 115 Learning division facts with dividends up to 14 by dividing into equal parts
- 127 Learning to solve word problems involving division when given pictures
- 136 Learning division facts with dividends up to 20
- 137 Recognizing multiplication and division fact families
- 152 Learning division facts when the dividend is a multiple of 5
- 153 Learning to solve word problems involving division

### FRACTIONS

- 63 Modeling fractions with shaded diagrams and groups of people
  - 77 Calculating one-half of a group of up to ten things
  - 80 Selecting the correct fraction
  - 80 Defining numerator and denominator
  - 111 Calculating one-half of a group up to 20
  - 120 Learning that the whole is the sum of its parts
  - 126 Learning to match numbers with fractional parts of a circle
  - 150 Adding and subtracting fractions
  - 155 Recognizing equivalent fractions in pictures
- A2 Fractional Parts

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#### **MONEY**

- 43 Recognizing coins - quarter, dime, nickel and penny
- 79 Recognizing the dollar symbol and decimal
- 79 Adding and subtracting money amounts
- 83 Learning change equivalents for a quarter, dime & nickel
- 109 Recognizing money number words
- 109 Writing change with a \$ and decimal
- 119 Recognizing a half dollar
- 119 Learning which coins to use to buy something
- 138 Regrouping when adding or subtracting money amounts
- 140 Regrouping twice when subtracting money amounts
- 149 Learning the dollar equivalents for half dollars, quarters & dimes

#### **TIME - CLOCK**

- 19 Telling time by the hour
- 29 Recognizing half past on the clock
- 45 Recognizing a quarter to and a quarter past the hour
- 62 Telling time by 5 minutes
- 69 Telling time to the minute
- 89 Calculating the minutes before the hour
- 98 Telling time within so many hours, on the hour
- 143 Telling time within so many hours, off the hour

#### **TIME - CALENDAR**

- 44 Learning the days of the week
- 134 Calculating the date within a week going forward
- 151 Recognizing the names of the months of the year

#### **ODD AND EVEN NUMBERS**

- 99 Recognizing odd and even numbers, up to ten
- 111 Recognizing odd and even numbers up to 20

#### **WORD PROBLEMS**

- 27 Solving word problems using addition and subtraction
- 30 Evaluating information to see if it is sufficient to answer the question
- 33 Solving word problems when there are no calculations
- 40 Putting a series of events in order
- 57 Solving word problems with extraneous information and the phrase "more than"
- 66 Solving word problems involving money
- 81 Solving story problems involving comparative words
- 95 Solving word problems involving multiplication by selecting the correct model
- 97 Solving addition and subtraction problems given in words
- 104 Solving two-step word problems
- 113 Solving division word problems by selecting the correct model
- 117 Selecting the correct equation when given a word problem
- 125 Learning to solve word problems involving multiplication
- 130 Using deductive reasoning to solve a story problem
- 153 Learning to solve word problems involving division

# Scope & Sequence of Lessons & Activities

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## Second Grade

### # Lesson Concept

### # Activity Concept

#### MEASUREMENTS

- 53 Reading scales and other measuring devices
- 55 Learning the names for standard units of length (in, ft, yd, cm, m, km)
- 60 Learning the names for standard units of weight (lb, oz, ton, grams, kg)
- 65 Learning the names for standard units of volume (cup, pint, qt, gal, liter)

- V1-V8 Measurement of Volume
- W1-W7 Measurement of Weight
- D1-D6 Measurement of Distance
- A9 Balance Scales

#### GEOMETRY

##### Shapes and figures

- 8 Recognizing shapes - circle, triangle, rectangle, square
- 10 Reasoning using overlapping figures
- 36 Learning a square is also a rectangle
- 75 Recognizing lines of symmetry
- 78 Recognizing shapes with common characteristics
- 84 Measuring a line segment to the nearest inch
- 85 Measuring a line segment to the nearest centimeter
- 90 Computing the area of a plane figure given in square units
- 96 Recognizing patterns of shading
- 101 Completing a pattern of shapes
- 110 Recognizing three-dimensional figures
- 132 Calculating perimeters to the nearest inch or centimeter

- A7 Strength of Figures
- A11 Lines of Symmetry
- A12 Strength of Figures
- A13 Figures on a Grid

##### Position and Direction

- 135 Learning to recognize flips, turns, and slides
- 144 Learning to recognize when figures are similar or congruent

#### ESTIMATING

- 134 Estimating answers
- 143 Estimating how much time events take

#### PRE-ALGEBRA

- 6 Calculating a number 1 more or less than a given number
- 11 Calculating a number 1 more or less than a given two-digit number
- 38 Filling in a missing number in a number sentence involving addition
- 52 Filling in a missing number in a number sentence involving addition
- 58 Filling in a missing number in a number sentence involving subtraction
- 97 Calculating a number more or less than a given number
- 102 Learning the order of operations when parentheses are involved
- 103 Performing a calculation and then filling in a missing number in a number sentence

- A6 Scheduling Teams

#### PROBABILITY

- 25 Determining probability using a spinner
- 35 Calculating possible outcomes
- 100 Calculating probability from possible outcomes

- A1 Probability Grid

# Scope & Sequence of Lessons & Activities

by lesson number

## Second Grade

### # Lesson Concept

### # Activity Concept

#### REASONING AND LOGIC

- 30 Evaluating information to see if it is sufficient to answer the question
- 33 Solving word problems when there are no calculations
- 40 Putting a series of events in order

- A3 Deductive Reasoning
- A4 Asking Questions
- A5 Deductive Reasoning Charts
- A9 Balance Scales
- A10 Advertising Information
- A14 Position and Sequence

#### GRAPHS

- 5 Interpreting tally graphs
- 15 interpreting picture graphs
- 35 interpreting pie graphs
- 50 Interpreting vertical and horizontal bar graphs

- V1-V8 Measurement of Volume
- W1-W7 Measurement of Weight
- D1-D6 Measurement of Distance

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## Scope & Sequence of Stretches

by concept, with lesson and page numbers

Lesson	Pg.	Stretch Concepts
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Lesson	Page	Activity, Stretch or Create A Problem Concept
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### NUMERATION

22	52	Arranging numbers on a grid so sums add to 10
26	62	Arranging numbers on a grid so sums add to 11
31	74	Arranging numbers on a grid so sums add to 12
38	90	Arranging numbers on a grid so sums add to 13
46	110	Arranging numbers on a grid so sums add to 14
51	122	Arranging numbers on a grid so sums add to 15
56	134	Arranging numbers on a grid so sums add to 16
60	142	Arranging numbers on a grid so sums add to 17
68	162	Arranging numbers on a grid so sums add to 18
25	58	Arranging numbers so no two consecutive numbers are adjacent
32	76	Arranging numbers so no two consecutive numbers are adjacent
39	92	Arranging numbers so no two consecutive numbers are adjacent
91	218	Arranging numbers so no two consecutive numbers are adjacent
113	270	Arranging numbers so no two consecutive numbers are adjacent

# Scope & Sequence of Stretches

by concept, with lesson and page numbers

## Second Grade

<b>Lesson</b>	<b>Pg.</b>	<b>Stretch Concepts</b>
149	356	Arranging numbers so no two consecutive numbers are adjacent
90	214	What 3 consecutive numbers add to 66
115	274	What 3 odd 2-digit numbers equal 47
128	306	What 3 even 2-digit numbers add to 66
136	326	What 3 consecutive numbers equal 84
150	358	What 3 consecutive numbers equal 132
153	366	What 3 consecutive numbers equal 174
152	364	Filling in a missing sequence of numbers

### **SORTING**

59	140	Order in a 4-way boat race
64	152	Order from tallest to shortest
78	186	Order in a foot race
84	200	Order in a 4-way boat race
89	212	Order of arrival of 4 people
98	234	Order of position of 4 houses
120	286	Order of ribbons given to three dogs
148	354	Order of 5 strings from short to long
48	114	Sequence of scoreboards for a soccer game
54	128	Sequence of events in attending a baseball game then a movie
102	244	Match up positions of 4 players on a football team
107	256	Match up first and last names of 3 people
111	266	Match up professions of 3 people
116	278	Match up favorite subjects of three students
145	346	Match up birthdays of 3 people

### **TIME - CALENDAR**

40	94	Calendar - given the 48th day in the year, what is the date
49	116	Calendar - given the 93rd day in the year, what is the date
104	248	Calendar - given the 130th day in the year, what is the date
133	318	Calendar - given the 200th day in the year, what is the date

### **GEOMETRY**

23	54	Forming 1 square by moving 2 lines
34	80	Forming 2 squares by moving 2 lines
62	148	Forming 3 squares by moving 1 line
74	176	Forming 3 squares by moving 3 lines
92	220	Forming 6 triangles by moving 4 lines
103	246	Forming 2 shapes by moving 3 lines
112	268	Forming 3 squares by moving 3 lines
127	304	Forming 6 squares by moving 2 lines
138	330	Forming 2 squares by moving 2 lines
144	344	Forming 3 squares by moving 5 lines

# Scope & Sequence of Stretches

by concept, with lesson and page numbers

## Second Grade

<b>Lesson</b>	<b>Pg.</b>	<b>Stretch Concepts</b>
66	158	Moving 2 circles on a drawing to turn the image upside down
77	184	Moving 3 circles on a drawing to turn the image upside down
36	86	How many sides are shared; 16 total squares
85	202	How many sides are shared; 25 total squares
94	224	How many squares are there in a 4 x 4 grid
24	56	Recognizing multiple rectangles in a complex figure
105	250	Recognizing multiple triangles in a complex figure
129	308	Recognizing multiple squares in a complex figure
139	332	Recognizing multiple triangles in a complex figure
27	64	Multiple paths from A to B along a grid of routes
<b>GRAPHING</b>		
55	130	Creating a chart to show number of items owned by 2 girls
<b>REASONING</b>		
28	66	Hw much time required to cut an item into 10 pieces
29	68	How many in the family
30	70	How many dogs
33	78	How many ways to write a problem
35	82	How many apples
37	88	How many cats
43	102	How many hits in a baseball game
50	118	How many finishing results for 3 runners
58	138	How many trees; total 12
63	150	How many fish were caught
67	160	How many birds
71	170	How many handshakes
72	172	How many coins if one has twice as many as another; total 16
76	182	How many books if one has 6 more than another; total 12
79	188	How many books if one has 1 more than another, total 17
81	194	How many possibilities for race outcome with 4 runners
83	198	How many fish if one has 1 more than another, total 15
86	206	How many handshakes
93	222	How many cards do each of 4 people have
53	126	How to exactly fill a bottle
88	210	True, false or not enough information based on 2 statements
106	254	True, false or not enough information based on 2 statements
122	292	True, false or not enough information based on 2 statements
135	322	True, false or not enough information based on 2 statements
141	338	True, false or not enough information based on 2 statements
44	104	Who got to school first
69	164	Who has the most marbles



# Scope & Sequence of Stretches

by concept, with lesson and page numbers

## Second Grade

**Lesson**

**Pg.**

**Stretch Concepts**

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73

174

Who owns the truck

### PRE-ALGEBRA

41

98

Equation: letters in place of numbers (horiz. add & subtract)

45

106

Equation: letters in place of numbers (horiz. add & subtract)

52

124

Equation: letters in place of numbers (horiz. add & subtract)

57

136

Equation: letters in place of numbers (horiz. addition)

61

146

Equation: letters in place of numbers (horiz. add & subtract)

65

154

Equation: letters in place of numbers (horiz. add & subtract)

70

166

Equation: letters in place of numbers (horiz. add & subtract)

75

178

Equation: letters in place of numbers (horiz. add & subtract)

80

190

Equation: letters in place of numbers (horiz. add & subtract)

82

196

Equation: letters in place of numbers (vertical addition over 100)

87

208

Equation: letters in place of numbers (horiz. add & subtract)

95

226

Equation: letters in place of numbers (horiz. add, subtract & multiply)

101

242

Equation: letters in place of numbers (horiz. add, subtract & multiply)

109

260

Equation: letters in place of numbers (horiz. add, subtract & multiply)

114

272

Equation: letters in place of numbers (horiz. repeated add, subtract & multiply)

119

284

Equation: letters in place of numbers (horiz. subtract & multiply)

125

298

Equation: letters in place of numbers (horiz. add, subtract & multiply)

130

310

Equation: letters in place of numbers (horiz. repeated add, subtract & multiply)

134

320

Equation: letters in place of numbers (horiz. repeated add, subtract & multiply)

137

328

Equation: letters in place of numbers (horiz. add, subtract & multiply)

143

342

Equation: letters in place of numbers (horiz. add, subtract & multiply)

147

352

Equation: letters in place of numbers (horiz. add, subtract & multiply)

155

370

Equation: letters in place of numbers (horiz. multiply)

21

50

Numerical values represented by symbols

96

230

Numerical values represented by symbols

99

236

How many men and cows given 24 legs and 7 heads

110

262

How many 2 and 3-legged stools given given 36 legs and 10 stools

117

280

How many 2, 3, and 4 cent stamps given 6 stamps and 17 cents

121

290

How many tires given 3 bikes, 2 trikes and 2 cars

126

302

How many 4, 5, and 6 cent stamps given 9 stamps and 46 cents

132

316

How many 6, 7, and 8 cent stamps given 6 stamps and 41 cents

140

334

How many 5, 8, and 10 cent stamps given 6 stamps and 72 cents

146

350

How many 10, 11, and 12 cent stamps given 6 stamps and 87 cents

154

368

How many bicycles and tricycles given 23 wheels and 7 total items

108

258

How much are contents if bottle is so much of total price

123

294

How much are contents if carton is so much of total price

100

238

Move boxes to balance a scale (numbers to balance an equation)

118

282

Move boxes to balance a scale (numbers to balance an equation)

131

314

Move boxes to balance a scale (numbers to balance an equation)

142

340

Move numbers to balance sums in three circles

42

100

Function machine transforms a set of numbers - add 2

# Create A Problem (Back of Tests)

by test, with title, lesson concept and page numbers

## Second Grade

Test	Page	Concepts
47	112	Function machine transforms a set of numbers - subtract 3
97	232	Function machine transforms a set of numbers - add 10
124	296	Function machine transforms a set of numbers - subtract 5
151	362	Function machine transforms a set of numbers - multiply by 10

### CREATE A PROBLEM

Test 01	12	Story Problems - observation and interpretation - Making A Flag Pin
Test 02	24	Story Problems - observation and interpretation - Acting In A Play
Test 03	36	Story Problems - observation and interpretation - Packing Books in Boxes
Test 04	48	Graphing - creating a picture graph - The Bird Sanctuary
Test 05	60	Numeration - count in multiple languages - ASL Sign Language Numbers
Test 06	72	Reasoning - Sufficient information or not - Walking the Dog
Test 07	96	Time Calendar - Presidents' Day Holiday
Test 08	108	Story Problems - observation and interpretation - Animal Park Plants/Animals
Test 09	120	Graphing - putting data on a tally chart - Buying a Sports Wheelchair
Test 10	132	Time Calendar - putting time on a calendar - Playing Wheelchair Basketball
Test 11	144	Story Problems - creating problems - Flora Wants a Pet Rabbit
Test 12	156	Measuring - temperature scales - Celina's Trip to New Mexico
Test 13	180	Time - Dario's Trip to New Mexico
Test 14	192	Distance - Seniors go to Capistrano
Test 15	204	Time Clock - Doing Homework
Test 16	216	Story Problems - create two problems and Checkanswer - Playing Croquet
Test 17	228	Graphing - creating a picture graph - Sunscreen Lotion at the Beach
Test 18	240	Story Problems - drawing items mentioned in text - The Emergency Kit
Test 19	264	Story Problems - finish the story - Clock on the Ceiling
Test 20	276	Geometry - drawing a floor plan of a room - Arranging Bedroom Furniture
Test 21	288	Time Clock - showing elapsed time on analog clocks - The Flower Garden
Test 22	300	Graphing - using data from a bar graph - Learning Other Languages
Test 23	312	Time Calendar - scheduling events - The Class Tortoise
Test 24	324	Graphing - using data from a picture graph - Walking Dogs

# Lesson Concepts

by lesson & page number

## Second Grade

#	Pg	Lesson Concept
1	2	Learning the addition and subtraction facts up through nine
2	4	Filling in missing numbers when counting by one (zero through nine)
3	6	Evaluating numbers using the words most, least, greatest value and least value
4	8	Adding 3 one-digit numbers
5	10	Interpreting tally charts
	12	<b>Test 1</b>
6	14	Calculating a number 1 more or less than a given number
7	16	Recognizing the ordinals first through fifth
8	18	Recognizing the shapes - circles, triangles, squares and rectangles
9	20	Learning the addition facts of ten and eleven
10	22	Reasoning using overlapping figures (Venn diagrams)
	24	<b>Test 2</b>
11	26	Adding/subtracting two-digit & one-digit number; calculating 1 more or less than given number
12	28	Recognizing the symbols and terms < less than, > greater than, = equal
13	30	Learning the subtraction facts of 10 and 11
14	32	Putting 3 two-digit numbers in order
15	34	Interpreting information given in picture graphs & tally charts
	36	<b>Test 3</b>
16	38	Adding & subtracting 2 two-digit numbers; adding 3 one-digit numbers with sum greater than 10
17	40	Recognizing the words for numerals - zero through ten
18	42	Filling in missing numbers when counting up to and crossing a ten
19	44	Telling time by the hour on an analog clock
20	46	Recognizing addition and subtraction fact families
	48	<b>Test 4</b>
21	50	Adding 3 one-digit numbers horizontally
22	52	Regrouping using the facts of ten when adding a two-digit and a one-digit number
23	54	Regrouping using the facts of ten when adding a two-digit and a one-digit number
24	56	Recognizing the words twenty, thirty, forty and fifty; more regrouping
25	58	Determining probability using a spinner
	60	<b>Test 5</b>
26	62	Filling in missing numbers when counting down and crossing a ten
27	64	Solving story problems using addition and subtraction and a five-step process
28	66	Recognizing the words eleven, twelve, thirteen and fourteen; learning addition facts of 12 and 13
29	68	Recognizing half past on the clock
30	70	Evaluating information to see if it is sufficient to answer the question
	72	<b>Test 6</b>
31	74	Regrouping when adding 2 two-digit numbers using the sums of ten
32	76	Regrouping when adding 2 two-digit numbers using the sums of ten
33	78	Recognizing the words sixty, seventy, eighty and ninety; solving word problems w/o calculation
34	80	Adding 3 two-digit numbers without regrouping
35	82	Interpreting pie graphs; calculating probability of possible outcomes
	84	<b>First Quarter Test</b>

# Lesson Concepts

by lesson & page number

## Second Grade

#	Pg	Lesson Concept
36	86	Learning the addition facts of 14 and 15; learning a square is also a rectangle
37	88	Recognizing by what number a sequence is counting
38	90	Words fifteen, sixteen, seventeen, eighteen and nineteen; missing number in addition number sentence
39	92	Regrouping using the addition facts of eleven
40	94	Putting a series of events in order
	96	<b>Test 7</b>
41	98	Recognizing any number less than 100
42	100	Learning the subtraction facts of 12 and 13
43	102	Recognizing the coins - quarter, dime, nickel and penny
44	104	Learning the days of the week
45	106	Recognizing a quarter to and a quarter past the hour
	108	<b>Test 8</b>
46	110	Adding 3 two-digit numbers with regrouping and numeration blocks
47	112	Filling in missing numbers when counting by 5 or 10
48	114	Learning the addition facts of 16, 17 and 18
49	116	Regrouping using the addition facts of 12
50	118	Interpreting information from vertical and horizontal bar graphs and tally charts
	120	<b>Test 9</b>
51	122	Regrouping using the addition facts of 12; adding 4 one-digit numbers
52	124	Filling in a missing number in a number sentence involving addition
53	126	Reading scales and other measuring devices
54	128	Grouping items by tens
55	130	Learning common units for measuring length (inch, foot, yard, centimeter, meter, kilometer)
	132	<b>Test 10</b>
56	134	Learning the subtraction facts of 14 and 15
57	136	Solving story problems with extraneous information and the phrase "more than"
58	138	Filling in a missing number in a number sentence involving subtraction
59	140	Regrouping using the addition facts of 13
60	142	Learning the names for units of weight (ounce, pound, ton, gram, kilogram)
	144	<b>Test 11</b>
61	146	Putting four numbers in order from least to greatest
62	148	Telling time by 5 minutes
63	150	Modeling fractions with shaded diagrams and groups of people
64	152	Writing numbers that are represented in units of tens and ones
65	154	Learning common units for measuring volume (cup, pint, quart, gallon, liter)
	156	<b>Test 12</b>
66	158	Solving story problems involving money
67	160	Learning the subtraction facts of 16, 17, and 18 using numeration blocks
68	162	Regrouping using the addition facts of 14
69	164	Telling time to the minute
70	166	Filling in a missing number when a sequence is counting by two
	168	<b>Second Quarter Test</b>

# Lesson Concepts

by lesson & page number

## Second Grade

#	Pg	Lesson Concept
71	170	Regrouping using subtraction facts of 10 when subtracting one-digit from two-digit number
72	172	Regrouping using subtraction facts of 10 when subtracting one-digit from two-digit number
73	174	Putting 4 two-digit numbers in order from greatest to least; more regrouping
74	176	Counting objects by grouping in sets of tens
75	178	Recognizing lines of symmetry on geometric figures
	180	<b>Test 13</b>
76	182	Regrouping using addition facts of 15, 16, 17, and 18; recognizing ordinals sixth to tenth
77	184	Calculating one-half of a group of up to 10 things
78	186	Recognizing and naming shapes with common characteristics
79	188	Using the dollar symbol and decimal when adding and subtracting money amounts
80	190	Selecting the correct fraction; defining numerator and denominator
	192	<b>Test 14</b>
81	194	Solving story problems involving the comparative words "less than" and "greater than"
82	196	Regrouping subtracting two-digit number from two-digit number using subtraction facts of 10
83	198	Recognizing coins and change equivalents for a quarter, dime and nickel.
84	200	Measuring a line segment to the nearest inch
85	202	Measuring a line segment to the nearest centimeter
	204	<b>Test 15</b>
86	206	Adding and subtracting money amounts horizontally
87	208	Filling in missing numbers when counting by two and crossing a ten
88	210	Regrouping using the subtraction facts of 11
89	212	Calculating the minutes before an hour; 60 minutes in an hour
90	214	Computing the area of a plane figure given in square units
	216	<b>Test 16</b>
91	218	Recognizing the hundreds place
92	220	Recognizing any word representation to 999; adding and subtracting 2 three-digit numbers
93	222	Recognizing a sequence counting by ten (23, 33, 43, 53) when ones place is not zero
94	224	Regrouping using the subtraction facts of 12 and 13
95	226	Solving multiplication word problems using models and pictures
	228	<b>Test 17</b>
96	230	Recognizing patterns of shading in a sequence of figures
97	232	Calculating more or less than given number; solving addition & subtraction given in words
98	234	Telling time within so many hours in the past or future (on the hour using analog clock)
99	236	Recognizing odd and even numbers, up to 10
100	238	Calculating probability from possible outcomes; making combinations
	240	<b>Test 18</b>
101	242	Recognizing and completing a pattern of shapes
102	244	Learning the order of operations when parentheses are involved
103	246	Performing a calculation and then filling in a missing number in a number sentence
104	248	Solving two-step word problems
105	250	Counting by two when interpreting information in picture and bar graphs
	252	<b>Third Quarter Test</b>

# Lesson Concepts

by lesson & page number

## Second Grade

#	Pg	Lesson Concept
106	254	Regrouping to the tens place when adding 2 three-digit numbers
107	256	Regrouping with subtraction facts of 14 and 15.
108	258	Learning the multiplication facts with products up to 10 and products with two as a factor
109	260	Recognizing money number words (cents and dollar); writing change with a \$ and a decimal
110	262	Recognizing shapes and learning names of three-dimensional figures
	264	<b>Test 19</b>
111	266	Recognizing odd and even numbers up to 20; calculating one-half of a group up to 20
112	268	Finding number sentence with < less than, > greater than, = equal and ≠ not equal; equation
113	270	Solving division story problems by selecting the correct model
114	272	Solving division story problems by selecting the correct model
115	274	Learning division facts with dividends up to 14 by dividing into equal parts
	276	<b>Test 20</b>
116	278	Regrouping with the tens place when subtracting 2 three-digit numbers
117	280	Selecting the correct equation when given a story problem
118	282	Regrouping with subtraction facts of 16, 17 and 18; adding 4 two-digit numbers
119	284	Recognizing a half dollar; learning which coins to use to make a certain amount
120	286	Learning that a whole is the sum of its parts; adding fractions
	288	<b>Test 21</b>
121	290	Learning multiplication facts with products & 5 as a factor; multiplication is repeated addition
122	292	Regrouping with the hundreds place when adding
123	294	Solving place value problems with a zero in the tens or ones place
124	296	Using pairs of numbers in < less than, > greater than, and = equal to problems
125	298	Learning to solve word problems using multiplication
	300	<b>Test 22</b>
126	302	Learning to match numbers with fractional parts of a circle
127	304	Learning to solve word problems involving division when given pictures
128	306	Learning to solve word problems involving division when given pictures
129	308	Regrouping only with the hundreds place when subtracting
130	310	Using deductive reasoning to solve a story problem
	312	<b>Test 23</b>
131	314	Learning the multiplication facts with products up to 20
132	316	Calculating perimeters to the nearest inch or centimeter
133	318	Regrouping twice adding 2 three-digit numbers; Regrouping once adding 3 three-digit numbers
134	320	Calculating the date within one week going forward
135	322	Learning to recognize flips, turns and slides of geometric figures
	324	<b>Test 24</b>
136	326	Learning division facts with dividends up to 20; repeated subtraction
137	328	Recognizing multiplication and division families
138	330	Regrouping when adding or subtracting money amounts
139	332	Regrouping twice when subtracting 2 three-digit numbers
140	334	Regrouping twice when subtracting money amounts
	336	<b>Fourth Quarter Test</b>

# Lesson Concepts

by lesson & page number

## Second Grade

#	Pg	Lesson Concept
141	338	Learning the multiplication facts with products less than 100 and with 10 or 11 as a factor
142	340	Evaluating three-digit numbers in $<$ and $>$ problems and put-in-order problems
143	342	Telling time within so many hours in the past or future (off the hour using analog clock)
144	344	Recognizing similar or congruent figures
145	346	Subtracting three-digit numbers, regrouping twice, when there is a 1 or 0 in the tens place
	348	<b>Year End Test 1</b>
146	350	Regrouping twice when adding 3 three-digit numbers
147	352	Adding 3 or 4 one-digit numbers where the sum is greater than 19 and less than 30
148	354	Recognizing and writing any number word up to 999
149	356	Learning the dollar equivalents for half dollars, quarters and dimes
150	358	Adding and subtracting fractions
	360	<b>Year End Test 2</b>
151	362	Recognizing the names of the months of the year in order
152	364	Learning division facts when the dividend is a multiple of 5
153	366	Solving word problems using division
154	368	Solving word problems using division
155	370	Recognizing equivalent fractions using pictures