

Scope & Sequence of Lessons & Activities

by lesson number

Lesson Concept

Activity, Exercise or Test Concept

PLACE VALUE AND COUNTING

Counting objects

- | | |
|---|--|
| 1 Counting items and saying the number word | 2 Sorting and counting similar items |
| 2 Counting items and saying the number word | 4 Sorting and counting items based on varying data |
| 3 Counting items and saying the number word | 27 Counting to 10 |
| 4 Counting items and saying the number word | 38 Counting on a number line |
| 6 Learning the concept of 10 | 41 Using tally marks to count |
| 7 Counting objects in two matching sets | 47 Counting and hopping to match number cards |
| 11 Counting to determine "most" | 82 Counting objects to 120 |
| 12 Counting to determine "fewest" | 87 Skip counting by 2, 5, 10 |
| 13 Learning the concept of 11 | |
| 16 Learning the concept of 12 | |
| 21 Learning the concept of 13 and 14 | |
| 24 Learning the concept of 15 and 16 | |
| 33 Learning the concepts of 17, 18, 19; finding more or less than | |
| 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 120 | |
| 90 Skip counting by 2, 5, 10 | |
| 94 Counting objects to 120 | |
| 102 Learning to skip count by 10 | |
| 130 Counting past 120 | |
| 133 Skip counting by 2 | |

Place value

- | | |
|---|---|
| 63 Grouping by ten when counting; learning the term "bundle" | 11 Finding the higher value in a pair of numerals between 0 - 9 |
| 69 Grouping by tens when counting over 19 | 12 Finding the lesser value in a pair of numerals between 0 - 9 |
| 72 Grouping by tens when counting up to 59 | 27 Recognizing numeral equivalents |
| 86 Recognizing numbers represented by tens and ones | 33 Composing & decomposing; practicing regrouping |
| 91 Using place value to compare whole numbers | 77 Ordering numbers on a number line |
| 96 Adding a 2-digit and 1-digit number using place value strategy | 78 Ordering numbers on a number line |
| 97 Using expanded notation to determine number value | 82 Using objects, pictures and expanded form to represent numbers up to 120 |
| | 106 Comparing and ranking two 2-digit numbers |
| | 111 Exchanging ones and tens |

E = Exercise

T = Test

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Recognizing numbers

- 1 Using the numerals 0 to 9
- 2 Selecting the correct numeral for a given set
- 3 Writing the correct numeral for a given set
- 4 Writing the correct numeral for a given set
- 46 Recognizing the words zero, one, two, three, four, five
- 47 Recognizing the words six, seven, eight, nine and ten
- 59 Recognizing the ordinals first through fifth
- 82 Recognizing the words eleven, twelve and thirteen
- 94 Recognizing the words twenty, thirty, forty, fourteen, fifteen
- 98 Recognizing the words sixteen, seventeen, eighteen nineteen
- 109 Recognizing the words fifty and sixty
- 113 Recognizing words seventy, eighty, ninety, one hundred
- 118 Recognizing any number word up to 120
- 132 Recognizing the ordinals first through tenth

- 114 Using place value to compare numbers
- 131 Matching numbers that are 1 apart and numbers 10 apart

- 3 Creating numerals out of common materials
- E1 Using numbers in different ways
- T1 Recognizing numerals 1 through 9
- E2 Finding and writing numbers
- T2 Coloring numbered sections
- E4 Using words to describe shapes and numbers
- 46 Representing numbers in multiple ways
- 47 Representing numbers with movement
- E6 Identifying math words
- 82 Representing numbers in multiple ways
- E10 Identifying math symbols
- T10 Drawing numerals with straight lines
- 132 Recognizing the ordinals first through tenth

Series and Patterns

- 5 Filling in missing numbers when counting by 1 (0 - 9)
- 10 Filling in missing numbers when counting down
- 17 Filling in missing numbers when counting up or down crossing 10
- 19 Filling in missing numbers when counting up crossing 10
- 25 Completing a pattern of shapes
- 36 Filling in more than one missing number when counting down
- 40 Filling in missing numbers in the middle of number series
- 65 Drawing, sorting and comparing geometric shapes
- 74 Filling in missing numbers when counting to 61
- 75 Sorting geometric figures by common attributes
- 90 Recognizing whether a number series is counting by 1, 5 or 10
- 102 Filling in missing numbers when counting by 10
- 112 Filling in missing numbers when counting by 5
- 124 Recognizing a number series counting by even twos
- 133 Recognizing a number series counting by odd twos
- 144 Filling in missing numbers when counting by twos

- 6 Recognizing, describing and creating patterns of shapes
- 17 Comparing and sorting common object
- 22 Observing and re-creating patterns
- 26 Comparing figures and grouping them into sets
- 34 Identifying shared characteristics of members of a set
- 72 Using family relationships to group people into sets
- 87 Identifying, describing and creating patterns
- T8 Identifying number series that are counting up
- 93 Finding minor differences between similar images
- 104 Sorting similar objects and recording differences
- 137 Sorting capital letters according to curved & straight lines
- 144 Finding a pattern in counting money
- 147 Classifying images by their characteristics

Comparing numbers

- 11 Comparing whole numbers up to 10
- 12 Comparing whole numbers up to 10

- 77 Comparing numbers on a number line
- 78 Comparing numbers on a number line

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# Lesson Concept	# Activity, Exercise or Test Concept
19 Comparing whole numbers up to 13	93 Comparing pictures to add numbers
40 Comparing and ordering whole numbers up to 20 in a series	98 Comparing numbers using $<$, $>$, $=$
52 Comparing one- and two-digit whole numbers	106 Comparing numbers rolled with dice
53 Comparing two-digit whole numbers	
80 Comparing two-digit whole numbers based on place value	
81 Comparing two-digit whole numbers based on place value	
91 Comparing numbers using 'least to greatest'	
121 Using $<$ $>$ to compare numbers	
126 Comparing numbers with 'one less /one more'	
Putting things in order	
7 Matching a set with an equal number of items	38 Ordering whole numbers up to 120 using place value
11 Selecting the set with the most items	76 Putting the days of the week in order
12 Selecting the set with the fewest items	
28 Identifying a set that has 1 more item than a given set	
34 Identifying a set that is greater than or less 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	
Number lines	
Solving addition and subtraction problems when given a number sentence	38 Locating and ordering numbers on a number line
78 Using number lines to solve addition problems	66 Solving addition word problems using number lines
79 Using number lines to solve subtraction problems	
92 Writing a number sentence from a number line	
Ten frames	
72 Using ten frames to count to 59	42 Composing 10 with 2 addends using objects
74 Using ten frames to count to 67	66 Solving addition word problems using ten frames
78 Using ten frames to solve addition problems	E11 Subtracting multiples of 10 from 10
79 Using ten frames to solve subtraction problems	
129 Using ten frames to solve addition and subtraction problems	
134 Calculating 10 more or 10 less	
145 Using pictorial models and number sentences to solve word problems; optional following directions on a map	

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ADDITION OF WHOLE NUMBERS

Addition facts

14 Adding 2 numbers with a sum less than 6	18 Practicing addition facts
15 Adding 2 numbers with a sum less than 6	T2 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	43 Adding and subtracting within 20; composing 10
35 Learning the addition facts of 11	58 Practicing addition & subtraction facts using listening skills
38 Adding and subtracting 2 numbers horizontally	66 Adding numbers based on a spinner
39 Adding and subtracting 2 numbers horizontally	67 Adding numbers based on the roll of dice
41 Learning the addition facts of 12	73 Modeling fact families
	92 Representing story problems with addition & number sentences
43 Adding 2 numbers starting with the larger number	104 Creating number sentences with story problems
48 Adding a 1-digit and 2-digit number with a sum less than 20	117 Calculating sums and differences for pairs of numbers
49 Adding a 1-digit and 2-digit number with a sum less than 20	118 Adding numbers and moving game pieces based on calculations
54 Learning the addition facts of 13	
55 Practicing addition facts with a game	
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	
78 Using a number line to solve addition problems	
84 Learning the addition facts of 15, 16, 17 and 18	
85 Adding in number sentences	
88 Learning fact families to 12	
89 Recalling basic facts to add and subtract within 20	
92 Creating number sentences with story problems	
93 Recognizing fact families	
99 Adding 4 one-digit numbers with a sum less than 20	
101 Representing addition story problems using number sentences	
103 Finding the unknown in a number sentence	
104 Explaining strategies to solve addition problems using number sentences	
106 Recognizing basic fact families adding to 15	
114 Adding 4 one-digit numbers with a sum greater than 19	
116 Recognizing basic fact families adding to 18	

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# Lesson Concept	# Activity, Exercise or Test Concept
127 Recognizing basic fact families with sums of 10 & greater	
141 Determining the unknown number in an addition equation	
142 Adding 3 one-digit numbers horizontally	
149 Adding 3 one-digit numbers with a sum greater than 19	
No Regrouping	
96 Adding a two-digit number and a one-digit number	
97 Adding 2 two-digit numbers	
122 Adding 2 two-digit numbers horizontally	
129 Adding 2 two-digit numbers	
136 Adding a 2-digit number and a 1-digit number horizontally	
Regrouping	
146 Regrouping when adding 2-digit & 1-digit number on number line	
147 Regrouping when adding 2-digit and 1-digit number	
SUBTRACTION OF WHOLE NUMBERS	
Subtraction facts	
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 & 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	E11 Subtracting multiples of 10
44 Subtracting 2 one-digit numbers with a minuend less than 10	127 Finding the number that is 10 less than a given number
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	
77 Using a number line to solve subtraction problems	
88 Learning the subtraction facts of 12	
89 Recalling basic facts to add and subtract within 20	
93 Learning the subtraction facts of 13	
100 Explaining strategies to solve subtraction problems within 20	
101 Explaining strategies to solve subtraction problems within 20	
106 Learning the subtraction facts of 14 and 15	
116 Learning the subtraction facts of 16, 17 and 18	
127 Applying properties of operations as strategies to subtract	
141 Determining the unknown number in a subtraction equation	

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# Lesson Concept	# Activity, Exercise or Test Concept
No Regrouping	
110 Subtracting a 1-digit number from a 2-digit number	123 Subtracting numbers to form true number sentences
111 Subtracting 2 two-digit numbers	
123 Subtracting 2 two-digit numbers horizontally	
129 Subtracting 2 two-digit numbers	
137 Subtracting a 1-digit from a 2-digit number horizontally	
FAIR SHARES & EQUAL PARTS	
107 Partitioning circles and rectangles into 2 and 4 equal shares	54 Partitioning two-dimensional figures into equal parts
108 Partitioning circles and rectangles into 2 and 4 equal shares	88 Partitioning shapes into two and four equal shares
119 Partitioning circles and rectangles into halves and quarters	107 Partitioning shapes into equal parts; opt. parts of a fraction
140 Partitioning shapes into two and four equal shares	
148 Partitioning circles and rectangles into halves and quarters	108 Partitioning shapes into equal parts; opt. denominator
154 Using models to partition shapes into halves and quarters	119 Partitioning shapes into halves and fourths; opt. numerator
155 Using models to partition shapes into halves and quarters	128 Finding the fractional part of a group of figures
	134 Opt. writing fractions that represent sets
	154 Partitioning two-dimensional shapes into equal parts
MONEY	
23 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 Understanding charitable giving
68 Recognizing and adding quarters	84 Identifying US coin designs; creating coin designs
68 Adding quarters; using dollar symbol & decimal point	87 Counting by twos, fives and tens to find the value of coins
139 Identifying coins that add to a given amount	144 Calculating the number of coins used to give change
154 Opt. using dollar symbol & decimal; dollar coins & bills	146 Defining money earned as income; learning about careers
TIME	
26 Telling time by the hour on a digital and analog clock	95 Learning days, weeks, months and years
27 Telling time by the hour on a digital and analog clock	E9 Writing days, seasons, months and holidays
62 Telling time by the half hour	T11 Writing times shown on a clock; matching time & activities
76 Recognizing the days of the week	138 Estimating the time it takes to do certain physical activities
95 Telling time by the hour and half hour on an analog & digital Opt. learning days, weeks, months, year	143 Sorting clocks according to the times they show
E9 Telling time on analog clocks by the hour and half hour	
138 Telling time on the hour & half hour; opt. 5 minutes	
143 Representing time on a clock on the hour and half hour	
152 Telling time by the hour & half hour; opt. by 5 minutes	

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Lesson Concept

Activity, Exercise or Test Concept

153 Telling time by the half hour

WORD PROBLEMS

- | | |
|---|---|
| 32 Solving word problems using objects and pictorial models to 9 | E8 Writing word problems from pictures |
| 35 Solving word problems using objects and pictorial models to 11 | 62 Solving logic word problems |
| 37 Solving word problems using objects and pictorial models to 7 | 66 Using pictorial models to solve addition word problems |
| 45 Writing number sentences using addition | 67 Creating addition word problems based on the roll of dice |
| 51 Solving word problems using objects and pictorial models | 92 Modeling word problems involving 1- & 2-digit numbers |
| 57 Writing number sentences using subtraction | 93 Adding & subtracting to solve word problems using drawings |
| 66 Writing number sentences from word problems using addition | 102 Comparing data using word problems & tally charts |
| 67 Writing number sentences from word problems using subtraction | 104 Sorting objects and creating word problems |
| 76 Adding and subtracting within 10 to solve word problems | E11 Subtracting multiples of 10 in word problems |
| 77 Obtaining numerical information from a word problem | |
| 85 Solving word problems using addition | 139 Creating word problems using addition |
| 90 Solving word problems putting a series of numbers in order | 151 Solving logic problems with number sentences |
| 100 Solving word problems using subtraction | |
| 101 Solving word problems using addition and subtraction | |
| 131 Using objects and pictorial models to solve word problems | |
| 132 Solving word problems with unknowns in all positions | |
| 138 Using word problems to create number sentences | |
| 139 Using word problems to create number sentences | |
| 142 Solving word problems to create number sentences | |
| 145 Solving word problems to create number sentences | |

MEASUREMENTS

- | | |
|--|---|
| 50 Measuring length with non-standard units | 13 Using measuring tools to measure the length of objects |
| 56 Measuring a line segment to the nearest inch | 14 Comparing heavier and lighter |
| 83 Measuring a line segment with non-standard units | 21 Filling a container using multiple smaller containers |
| 87 Reading scales measuring volume, temperature & weight | 24 Measuring the same object with units of 2 different lengths |
| | 32 Measuring and comparing various dimensions |
| | 39 Sorting items according to weight |
| | 39 Learning the terms heavier, lighter and the same |
| | 48 Filling large containers using smaller containers |
| | E5 Measuring shapes with various rulers |
| | E5 Defining the characteristics of a good ruler. |
| | 52 Creating a tally chart; finding the greater volume of containers |
| | 53 Determining which of four objects weighs the least |
| | 63 Weighing various objects |

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GEOMETRY

Shapes and figures

- 8 Identifying circles, squares, triangles and rectangles
- 9 Identifying circles, squares, triangles and rectangles
- 25 Drawing & comparing shapes; completing a pattern of shapes
- 28 Identifying 2-D shapes
- 50 Measuring length with non-standard units
- 56 Measuring a line segment to the nearest inch
- 65 Drawing, sorting and comparing geometric shapes
- 75 Sorting geometric figures by common attributes
- 83 Measuring a line segment to the nearest centimeter
- 125 Reasoning using overlapping figures
- 128 Identifying shapes within a group of figures
- 135 Identifying and drawing lines, sides, angles, and vertices
- 150 Recognizing and naming solid shapes
- 151 Identifying solid shapes
- 153 Opt. drawing lines of symmetry

- 69 Balancing a scale by moving weights from one side to another
- 71 Using various tools to measure volume and capacity
- T7 Measuring objects drawn to scale; recording heights
- 91 Working with non-standard measurement units for length
- 136 Using a balance to compare the weight of packages

- 7 Creating shapes with string
- 8 Composing two-dimensional shapes by joining 2-4 figures
- 9 Creating two-dimensional figures by joining shapes
- 19 Composing two-dimensional shapes by joining 2-4 figures
- 22 Composing two-dimensional shapes by joining 2-4 figures
- 23 Classifying and sorting regular and irregular 2-D shapes
- E3 Identifying geometric figures and their positions
- 26 Classifying and sorting 2-D shapes; creating shapes
- 28 Identifying 2-D shapes and describing their attributes
- 37 Classifying and sorting 2-D shapes; distinguish between 3-D
- T4 Recognizing and counting irregular shapes
- 49 Finding multiple geometric shapes in one complex figure
- 56 Composing two-dimensional shapes by joining 2-4 figures
- 57 Fitting simple shapes over a complex shape
- 61 Creating triangles & other shapes from rectangular pieces
- 64 Creating geometric shapes by moving lines
- T6 Drawing round and triangular shapes
- E7 Describing shapes in words; drawing shapes
- 86 Combine shapes to create more complex shapes
- 88 Partitioning shapes into halve and quarters
- T8 Identifying geometric figures
- 94 Classifying and partitioning shapes
- 96 Creating composite shapes from smaller shapes
- 97 Creating shapes by removing lines from a drawing
- T9 Completing a maze and identifying shapes
- 101 Creating similar shapes using colored pattern blocks
- 103 Changing the appearance of a shape by moving lines
- 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

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- 121 Creating shapes by removing lines from a drawing
- 122 Creating two-dimensional shapes with textured materials
- 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
- 137 Classifying irregular shapes
- 147 Classifying irregular shapes
- 148 Drawing geometric shapes from a verbal description
- 152 Creating similar shapes using colored pattern blocks
- 153 Creating shapes by removing lines from a drawing

Position and Direction (optional)

- 20 Identifying comparison and position word pairs
- 145 Following directions to get to a location

- 28 Identifying a point's location using the words inside & outside
- 36 Giving and following directions using location terms
- 74 Demonstrating positional words left and right
- 77 Finding a location based on verbal directions
- 79 Explaining how to get from one point to another on a map
- 89 Moving objects in a logical manner
- 116 Giving directions to get from one point to another on a map

ESTIMATING

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

- 29 Estimating quantities in a container
- 41 Estimating quantities
- 52 Collecting class estimates, creating a tally chart

PRE-ALGEBRA

- 38 Writing number sentences using addition and subtraction
- 39 Writing number sentences using addition and subtraction
- 45 Writing number sentences using addition
- 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 addition
- 68 Writing number sentences from word problems using subtraction
- 69 Writing number sentences from word problems using subtraction
- 74 Writing number sentences from word problems using subtraction
- 78 Creating number sentences using a number line
- 79 Creating number sentences using a number line

- 66 Writing number sentences
- 69 Writing number sentences to balance a scale
- 73 Using '+', '-', and = in number sentences
- 92 Creating story problems and number sentences
- 93 Creating number sentences with pictures
- 98 Comparing two 2-digit numbers using symbols > and =
- 104 Creating number sentences with pictures
- 123 Subtracting 2-digit numbers horizontally
- 131 Matching numbers that are 1 apart and those that are 10 apart
- 151 Solving logic problems with number sentences

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- 87 Defining true and not true number sentences
- 89 Calculating value of a number shown as a sum or difference of
- 92 Creating number sentences from a number line
- 97 Creating number sentences to find sum of 2 two-digit numbers
- 100 Creating number sentences from word problems
- 101 Creating number sentences from word problems
- 103 Filling in missing addends in a number sentence
- 104 Filling in missing addends in a number sentence
- 117 Filling in missing subtrahends in a number sentence
- 121 Recognizing symbols < less than, > greater than, = equal to
- 123 Subtracting 2-digit numbers horizontally
- 126 Calculating a number 1 more or 1 less than a given number
- 127 Comparing number sentences
- 129 Calculating a number 10 more or 10 less than a given number
- 132 Creating number sentences from word problems
- 138 Creating number sentences from word problems
- 139 Creating number sentences from word problems
- 141 Filling in a missing number on one side of a number sentence
- 145 Creating number sentences from word problems

CHARTS & GRAPHS

- | | |
|---|---|
| 73 Gathering information with tally charts | 13 Organizing data and recording results on a tally chart |
| 105 Observing change and determining the order of events | 14 Organizing & interpreting data; recording results on a chart |
| 115 Interpreting information given in surveys and picture graphs | 32 Organizing data; recording results on a bar graph |
| 120 Gathering information to put into graphs | 41 Organizing data and recording results on a tally chart |
| E12 Gathering info to put into tally charts, bar and picture graphs | E5 Organizing data and recording results on a tally chart |
| | 52 Organizing data; recording results on a tally chart |
| | 53 Organizing data; recording results on a tally chart |
| | 99 Organizing and interpreting data on a tally chart |
| | 102 Comparing data using word problems & tally charts |
| | E11 Writing weather facts, quantitative and qualitative |
| | 120 Using data to create picture graphs |
| | E12 Graphing information in different ways |
| | 134 Organizing, interpreting & comparing data on a tally chart |
| | 135 Organizing and interpreting data on a tally chart |

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- 136 Creating and analyzing graphs
- 141 Creating a tally chart & virtual picture chart
- 142 Determining the best chart to use to display information

PERSONAL FINANCIAL LITERACY

68 Learning to distinguish between spending and saving

- 16 Identifying income as a way to obtain goods and services
- 51 Identifying income as a means of obtaining goods and services, at times making choices between wants and needs
- 83 Learning to consider charitable giving
- 146 Defining money earned as income; learning about careers

*NOTE: We sometimes find it necessary to change problems or answers in the Excel Math Lessons.
Changes and corrections are posted on the **PRODUCT UPDATES** page of our website.
Please let us know if you find an incorrect CheckAnswer or have other questions.
www.excelmath.com/downloads/updates.html*

Lesson & Activity Concepts

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#	Pg	Lesson Concept	Activity Concept
1	2	Using the numerals 0 to 9	
2	4	Selecting the correct numeral for a given set	Classifying, sorting 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	Sorting and counting items based on varying data
5	10	Reciting numbers forward starting with any number (0 - 9)	
E1	12	Exercise 1	Reciting numbers forward and backward starting with 1 - 9
6	14	Reciting numbers forward and backward from 1 - 10	Recognizing, describing and creating patterns of shapes
7	16	Matching a set with an equal number of items	Creating shapes with string
8	18	Classifying & sorting two-dimensional shapes	Composing two-dimensional shapes by joining 2-4 figures
9	20	Identifying & creating circles, squares, triangles rectangles	Creating two-dimensional figures by joining shapes
10	22	Filling in missing numbers when counting up and down	
T1	24	Test 1	Recognizing numerals 1 through 9
11	26	Comparing numbers 1-10 using comparative language	Determining the higher value in a pair of numerals 0 to 9
12	28	Comparing numbers up to 10 using comparative language	Determining the lesser value in a pair of numerals 0 to 9
13	30	Reciting numbers forward and backward from 1 - 11	Using measuring tools to measure the length of objects
14	32	Applying basic fact strategies to add two numbers up to 6	Organizing and interpreting data; recording results on a chart
15	34	Fluently adding and subtracting two numbers within 10	
E2	36	Exercise 2	Using objects, pictures & standard forms to represent 0 - 120
16	38	Reciting numbers forward and backward from 1 - 12	Identifying income as a way of providing goods and services
17	40	Filling in missing nos. counting up or down, crossing 10	Comparing & sorting common objects using various criteria
18	42	Applying basic fact strategies to add 2 numbers within 20	Practicing addition facts
19	44	Generating a number more or less than 12	Composing two-dimensional shapes by joining 2-4 figures
20	46	Creating 2-D figures: circles, triangles, rectangles, squares	
T2	48	Test 2	Solving addition problems; coloring numbered sections
21	50	Reciting numbers forward and backward from 1 - 14	Filling a container using multiple smaller containers
22	52	Composing 10 with two or more addends	Composing two-dimensional shapes by joining 2-4 figures
23	54	Recognizing & adding pennies; using cents symbol	Classifying and sorting regular and irregular 2-D shapes
24	56	Reciting numbers forward and backward from 1 - 16	Measuring the same object with units of two different lengths
25	58	Composing two-dimensional shapes by joining 2-4 figures	
E3	60	Exercise 3	Identifying geometric figures & positions; adding horizontally
26	62	Telling time by the hour on a digital and analog clock	Classifying and sorting regular and irregular 2-D shapes
27	64	Telling time by the hour on a digital and analog clock	Solving problem situations when given a number sentence involving addition of numbers within 20; adding numbers
28	66	Generating a number more or less than 16	Identifying 2-D shapes; using the words inside & outside
29	68	Recognizing and adding nickels and pennies	Estimating quantities in a container
30	70	Adding & subtracting 2 numbers with minuend up to 20	
T3	72	Test 3	Coloring and drawing shapes and adding coins and objects
31	74	Subtracting 2 numbers with a minuend less than 6	Practicing subtraction facts

Lesson & Activity Concepts

by lesson number & page number

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32	76	Adding 3 numbers with a sum less than 10	Using measuring tools to compare length & 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	Fitting simple shapes over a complex shape
35	82	Learning the addition facts of 11	
Q1	84	1st Quarter Test	
36	86	Filling in missing numbers counting up or down	Giving and following directions using location terms
37	88	Subtracting 2 numbers with a minuend less than 8	Classifying and sorting 2-D shapes based on attributes
38	90	Adding and subtracting 2 numbers horizontally	Ordering numbers up to 120 using place value & number lines
39	92	Adding and subtracting 2 numbers horizontally	Sorting items by weight; learning terms heavier, lighter, same
40	94	Generating numbers greater than or less than a number	
E4	96	Exercise 4	Using words to describe shapes and numbers
41	98	Applying basic fact strategies to add & subtract within 12	Estimating quantities; using tally marks to count
42	100	Reciting numbers forward and backward to 30	Composing 10 with two or more addends
43	102	Applying basic fact strategies to add & subtract within 20	Composing 10 with two or more addends using objects
44	104	Subtracting 2 one-digit nos. with a minuend less than 10	Adding and subtracting with in 10; making 10 & decomposing
45	106	Writing number sentences using addition	
T4	108	Test 4	Recognizing and counting irregular shapes
46	110	Recognizing words zero, one, two, three, four & five	Representing numbers in multiple ways
47	112	Recognizing the words six, seven, eight, nine and ten	Representing numbers with movement
48	114	Adding one- and two-digit nos. with a sum less than 20	Filling containers using smaller containers of different sizes
49	116	Adding one- and two-digit nos. with a sum less than 20	Finding multiple geometric shapes in one complex figure
50	118	Measuring length with non-standard units	
E5	120	Exercise 5	Measuring shapes with rulers; defining a good measuring tool
51	122	Recognizing and adding dimes	Identifying income as a way to obtain goods and services
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	Partitioning circles and rectangles into two and four equal shares
55	130	Continuing to learn addition facts	
T5	132	Test 5	Using probability words in sentences
56	134	Measuring a line segment to the nearest inch	Combining shapes to form new geometric shapes
57	136	Writing number sentences using subtraction	Combining shapes to form new geometric shapes
58	138	Learning the subtraction facts up through 10	Practicing addition and subtraction facts using listening skills
59	140	Recognizing and writing ordinals first through third	Creating patterns using animal shapes
60	142	Selecting the correct operation	
E6	144	Exercise 6	Identifying math words
61	146	Reciting numbers forward and backward up to 39	Creating triangles and other shapes from rectangular pieces
62	148	Telling time by the hour and half hour	Solving logic problems
63	150	Grouping by ten when counting	Weighing various objects

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#	Pg	Lesson Concept	Activity Concept
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	Test 6	Drawing round and triangular shapes
66	158	Writing number sentences from addition word problems	Solving addition word problems using a spinner & ten frames
67	160	Writing number sentences from subtraction word problems	Adding within 20 and creating addition word problems
68	162	Learning to distinguish between spending and saving	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	2nd Quarter Test	
71	170	Recognizing addition & subtraction fact families 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 to 69	Demonstrating positional words
75	178	Sorting geometric figures by common attributes	
E7	180	Exercise 7	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 word problems	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	Test 7	Measuring objects drawn to scale; recording heights in a table
81	194	Selecting a number greater than a given number	Studying different coin designs
82	196	Recognizing eleven, twelve and thirteen; counting to 99	Representing numbers in multiple ways
83	198	Measuring a line segment to the nearest centimeter	Learning to consider charitable giving
84	200	Learning the addition facts of 15, 16, 17 and 18	Creating coin designs
85	202	Solving word problems using addition	
E8	204	Exercise 8	Writing word problems from pictures
86	206	Recognizing numbers represented by tens and ones	Creating two-dimensional shapes by joining 2-4 figures
87	208	Reading scales measuring volume, temp. 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 a sum or difference	Moving objects in a logical manner
90	214	Recognizing a number series counting by 1, 5 or 10	
T8	216	Test 8	Identifying geometric figures and 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 words fourteen, fifteen, twenty, thirty, forty	Partitioning circles and rectangles into two and four equal shares
95	226	Telling and writing time to the hour and half hour	

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#	Pg	Lesson Concept	Activity Concept
E9	228	Exercise 9	Writing days, seasons, months and holidays
96	230	Adding a two-digit number and a one-digit number	Creating composite shapes from smaller shapes
97	232	Adding 2 two-digit numbers	Creating shapes by removing lines from a drawing
98	234	Recognizing sixteen, seventeen, eighteen, nineteen	Comparing two 2-digit numbers based on the tens and ones digits
99	236	Adding 4 one-digit numbers with a sum less than 20	Organizing, representing and interpreting data in up to 3 categories
100	238	Solving word problems using subtraction	
T9	240	Test 9	Completing a maze and identifying shapes
101	242	Solving word problems using addition & subtraction	Creating similar shapes using colored pattern blocks
102	244	Filling in missing numbers when counting by 10	Comparing numbers gathered from a survey; using tally chart
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 & determining the order of events	
Q3	252	3rd Quarter Test	
106	254	Learning the subtraction facts of 14 and 15	Comparing and ranking two 2-digit numbers
107	256	Learning parts of a fraction & 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 1-digit number from a 2-digit number	
E10	264	Exercise 10	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 sum greater than 19	Writing number words to match the correct numerals
115	274	Interpreting information given in picture graphs	
T10	276	Test 10	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	Exercise 11	Writing weather facts
121	290	Recognizing symbols < less than, > greater than and =	Creating shapes by removing lines from a drawing
122	292	Adding 2 two-digit numbers horizontally	Creating two-dimensional shapes with textured materials
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	Test 11	Writing times shown on a clock; matching times with activities
126	302	Calculating a number 1 more or 1 less than a given number	Finding basic shapes within complex figures

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#	Pg	Lesson Concept	Activity Concept
127	304	Applying properties of operations as strategies to add and subtract	Finding the number that is 10 more or 10 less than a given number up to 120
128	306	Classifying and sorting shapes based on their attributes	Completing a fraction that represents part of a group of figures
129	308	Calculating a number 10 more or less than a given number	Composing two-dimensional shapes by joining 2-4 figures
130	310	Counting past 100; finding the number 10 more and 10 less	
E12	312	Exercise 12	Graphing information using picture and bar graphs
131	314	Adding & subtracting within 20 to solve word problems	Matching numbers that are 1 apart & those that are 10 apart
132	316	Adding & subtracting within 20 to solve word problems	Recognizing and writing ordinal numbers
133	318	Relating counting to addition, counting by twos	Creating shapes by removing lines from a drawing
134	320	Subtracting multiples of 10 from 10-90 using models	Interpreting and comparing data using a tally chart
135	322	Identifying & drawing lines, sides, angles and vertices	
T12	324	Test 12	Reasoning from evidence and sequence of events
136	326	Adding within 100; adding 2- and 1-digit nos. horizontally	Comparing weights; creating and analyzing graphs
137	328	Mentally subtracting 10 from a 2-digit number	Sorting capital letters according to curved and straight lines
138	330	Telling time to the hour & half hour; opt. to 5 minutes	Estimating the amount of time activities will take
139	332	Applying properties of operations to add coins	Solving word problems involving joining and separating sets
140	334	Partitioning shapes into two & four equal shares; opt. recognizing flips, slides and turns	
Q4	336	4th Quarter Test	
141	338	Filling in a missing number on one side of a no. sentence	Creating a tally chart and a picture chart; sorting data
142	340	Adding 3 one-digit numbers horizontally	Determining the best type of chart to display information
143	342	Telling time on the hour and half hour; estimating how much time events take; identifying least or most time	Telling time to the hour and half hour; sorting clocks according to the times they show
144	344	Filling in missing numbers when counting up by twos	Calculating maximum number of coins to give change
145	346	Adding & subtracting within 20 to solve word problems	
YE1	348	Year-End Test I	
146	350	Adding a 2-digit & 1-digit number on a number line	Defining money earned as income; exploring careers
147	352	Adding a 2-digit & 1-digit number on a number line	Classifying images by their characteristics
148	354	Filling in the numerator & denominator of a fraction	Drawing geometric shapes from a verbal description
149	356	Adding 3 one-digit numbers with sum greater than 19	Solving and rewriting logic puzzles so that the answer is true
150	358	Recognizing and naming solid shapes	
YE2	360	Year-End Test II	
151	362	Identifying solid shapes	Solving logic puzzles by trial and error
152	364	Telling time to the half hour; opt. by 5 minutes	Creating similar shapes using colored pattern blocks
153	366	Telling time to the half hour; opt. lines of symmetry	Creating shapes by removing lines from a drawing
154	368	Partitioning shapes into halves & fourths; use cent symbol	Completing a pattern of shapes
155	370	Partitioning circles & rectangles into fractional parts	



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