

Lesson & Activity Concepts

by lesson number & 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 - 9)	
E1	12	Exercise 1	Using numbers in different ways
6	14	Learning the concept of 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	Identifying circles, squares, triangles and rectangles	Using colors and shapes to represent patterns of shapes
9	20	Identifying circles, squares, triangles and rectangles	Using colors and shapes to represent patterns of shapes
10	22	Filling in missing numbers when counting down	
T1	24	Test 1	Recognizing numerals 1 through 9
11	26	Selecting the set with the most items	Determining the higher value in a pair of numerals 0 to 9
12	28	Selecting the set with the fewest items	Determining the lesser value in a pair of numerals 0 to 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	Exercise 2	Finding and writing numbers
16	38	Learning the concept of 12	Making a selection based on observation of clues
17	40	Filling in missing nos. counting up or down, crossing 10	Comparing & sorting common objects using various criteria
18	42	Adding 2 numbers with a sum less than 10	Practicing addition facts
19	44	Filling in missing numbers counting up crossing 10	Modeling activity and sound patterns using shapes and colors
20	46	Identifying comparison and position word pairs	
T2	48	Test 2	Solving addition problems; coloring numbered sections
21	50	Learning the concepts 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 & adding pennies; using cents symbol	Modeling patterns of movement
24	56	Learning the concepts of 15 and 16	Measuring objects using non-standard units
25	58	Completing a pattern of shapes	
E3	60	Exercise 3	Identifying geometric figures & 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 than a given set	Identifying a point's location using the words inside & 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	Test 3	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

Lesson & Activity Concepts

by page number

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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	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	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 terms heavier, lighter, same
40	94	Filling in missing numbers in the middle of a series	
E4	96	Exercise 4	Using words to describe shapes and numbers
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 nos. with a minuend less than 10	Putting events into order
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	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	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	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 ordinals first through third	Creating patterns using animal shapes
60	142	Selecting the correct operation	
E6	144	Exercise 6	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

Lesson & Activity Concepts

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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	Determining probability by rolling dice
67	160	Writing number sentences from subtraction word problems	Completing a probability chart
68	162	Adding quarters; using dollar symbol & 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	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	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	Exercise 8	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, 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	
E9	228	Exercise 9	Writing days, seasons, months and holidays

Lesson & Activity Concepts

by page number

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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 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, quantitative and qualitative
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	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	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
127	304	Recognizing basic fact families with sums of 10 & greater	Subtracting repeatedly from 90 to zero

Lesson & Activity Concepts

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128	306	Identifying shapes within a group of figures	Identifying coins by their size and characteristics
129	308	Calculating a number 10 more or less than a given number	Creating tile designs using pattern blocks
130	310	Counting past 100 and using written numerals	
E12	312	Exercise 12	Graphing information in different ways
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	Recognize and write 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	Interpret and compare 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 addition; opt. coins	Arranging a sequence of events in pictorial form
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 virtual picture chart
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	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	Following directions to get to a location	
YE1	348	Year End Test I	
146	350	Adding a 2-digit & 1-digit number on a number line	Solving and rewriting logic puzzles so that the answer is true
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; opt. money	Completing a pattern of shapes
155	370	Partitioning circles & rectangles into fractional parts	

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/ccs.html