

# Lesson, Exercise & Activity Concepts

by page number

L#	Pg	Lesson, Exercise and Activity Concepts
1	2	Recognizing and using position words: above, below, top, bottom, over, under
2	4	Describing objects in the environment; recognizing position words beside, in front of, behind and next to; Opt. time words: morning, afternoon, evening and night; days of the week
3	6	Recognizing and using position words: beside, in front of, behind and next to; Opt. left, right, between and middle
4	8	Recognizing and using terms: above, below, beside, in front of, behind, and next to; Opt. left and right
5	10	Comparing two items with a measurable attribute in common; identifying which of 3 items is different from others in the set
<b>E01</b>	<b>12</b>	<b>Recognizing the shape of numerals 0, 1, 2, 3</b>
6	14	Comparing two items with a measurable attribute in common; Opt. recognizing and using position words: inside, outside, on, off
7	16	Comparing two items with a measurable attribute in common; Opt. recognizing and using time words: before and after
8	18	Learning the concept of 1 and 2, saying the names in order
9	20	Describing objects in the environment using names of shapes and their relative positions, using the terms above, below, beside, in front of, behind, and next to; Opt. recognizing left and right and moving in those directions when asked
10	22	Learning the concept of 3 and understanding that the last number name said tells the number of objects counted
<b>E02</b>	<b>24</b>	<b>Recognizing the shape of numerals 0, 1, 2, 3, 4, 5</b>
11	26	Describing several measurable attributes of a single object and recognizing measurement words: taller, shorter, same height
12	28	Noticing repetitive actions in geometry, counting, and comparing; copying a pattern of shapes
<b>A12</b>	<b>28</b>	<b>Creating shapes with string</b>
13	30	Noticing repetitive actions in geometry and comparing; copying a pattern of hand motions using cards with 2 colors and letters
14	32	Comparing two objects with a measurable attribute in common; identifying which of 3 items is unique
15	34	Learning the concept of 4, saying the number names in order, pairing each object with one number name
<b>E03</b>	<b>36</b>	<b>Counting and showing numbers 0-5 with fingers; connecting counting to cardinality</b>
16	38	Circling 1 to 4 items in a set; understanding that the last number name said tells the number of objects counted; the number of objects is the same regardless of their arrangement or the order in which they were counted
17	40	Counting objects in a set; sorting shapes based on similar characteristics; classifying, counting and sorting objects by count
18	42	Comparing two objects with a measurable attribute in common; repeating a pattern of postures or body movements
19	44	Comparing pairs of lines of different lengths; describing measurable attributes of objects, such as length
20	46	Learning the concept of 5 and saying the number names in order when counting, pairing each object with one number name
<b>E04</b>	<b>48</b>	<b>Coloring by numbers</b>
21	50	Identifying a set with the most items by using matching and counting strategies
22	52	Classifying, sorting and counting objects; circling an object that does not belong in a set
<b>A22</b>	<b>52</b>	<b>Comparing attributes of shapes in the environment: length and size</b>
23	54	Circling an item that is different; comparing objects with a measurable attribute in common
24	56	Recognizing items that are taller, shorter and same height; identifying objects correctly
25	58	Learning the concept of 0; writing numbers from 0 to 3 and recognizing numerals 0-3 (with 0 representing a count of no objects)
<b>E05</b>	<b>60</b>	<b>Numbering shapes from smallest to largest; numbering vertices/corners on a shape</b>
26	62	Identifying a set with the least or fewest items
27	64	Describing objects and their relative positions using terms: behind, in front of, beside, next to; Opt. recognizing ordinals first through third
28	66	Matching numerals 0-5 with pictures of 0-5 objects; saying the number names in order, pairing each object with one number name
29	68	Using the position words before and after, in front and behind in stories
30	70	Learning the concept of 6; understanding the relationship between numbers and quantities and connecting counting to cardinality.
<b>A30</b>	<b>70</b>	<b>Classifying, sorting and counting pictures</b>
<b>T1</b>	<b>72</b>	<b>Test 1</b>
31	74	Matching a set of objects to a set with an equal number of objects
32	76	Circling the same number of objects as members in a given set
33	78	Drawing the same number of objects as members in a given set
<b>A33</b>	<b>78</b>	<b>Finger painting numerals 1 to 6</b>
34	80	Comparing objects that are lighter, heavier or the same weight; recognizing measurement words: heavier, lighter and same weight
35	82	Creating picture graphs
<b>E06</b>	<b>84</b>	<b>Finding a path counting up from 0 to 6</b>
36	86	Identifying a set with the most items
37	88	Identifying a set with the fewest items
<b>A37</b>	<b>88</b>	<b>Playing hopscotch to identify numbers 0 - 6 (optional 7 - 19)</b>
38	90	Copying a pattern of hand motions using cards with 3 colors and letters
39	92	Arranging strips of paper by length
40	94	Learning the concept of 7

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E07	96	<b>Writing numbers 0 - 9 and representing a number of objects with numbers 0 - 9; creating and interacting with number lines</b>
41	98	Noticing repetitive actions in geometry, counting and comparing; copying patterns of cards with 3 colors and letters
42	100	Adding one to a set of objects to make it equal with another set
43	102	Identifying circles, squares, rectangles and ovals by sight and feel; comparing 2- and 3-dimensional shapes in different sizes
A43	102	<b>Filling larger containers using smaller containers of varying sizes</b>
44	104	Matching numerals 0-7 with pictures of 0-7 objects
45	106	Learning the concept of 8; recognizing the spoken word eight and matching it with 8 claps or objects
E08	108	<b>Locating and coloring geometric shapes to make a pattern; correctly naming shapes regardless of their orientation or size</b>
46	110	Comparing two objects with a measurable attribute in common, to see which object has "more of"/"less of" the attribute
47	112	Learning that each successive number name refers to a quantity that is one larger; making a set with one more than a given number
48	114	Identifying attributes of circles, squares, triangles, rectangles, diamonds (rhombus) and ovals (ellipse)
49	116	Adding one to a set of objects to make it equal with another set
50	118	Learning the concept of 9; recognizing the spoken word nine and matching it with 9 claps or objects
E09	120	<b>Following geometric shapes through a maze; classifying objects into categories and counting the number in each category</b>
51	122	Selecting an item that best fits with a given set
52	124	Selecting a set with the most or fewest items; counting the number of objects in each category and sorting the categories by count
A52	124	<b>Counting 0 - 6 items</b>
53	126	Classifying objects by category, counting them and sorting the categories by count; Opt. learning the days of the week in order
54	128	Describing measurable attributes of objects, including height; comparing measures of volume with non-standard units
55	130	Selecting a set with the most or fewest items; drawing an object for each item of a set
T2	132	<b>Test 2</b>
56	134	Creating a set with one more item than a given set; writing numbers from 0 - 9
57	136	Comparing two numbers between 1 and 9 presented as written numerals Opt. comparing the time needed to do activities: less time, more time, the same time; recognizing and using time words
58	138	Understanding the relationship between counting and cardinality; circling a group of items equal to a given number
59	140	Identifying whether the number of objects in one group is greater than, less than or equal to the number in another group; Opt. recognizing and using ordinals first through fifth
60	142	Learning the concept of 10; recognizing the spoken word ten and matching it with 10 claps or objects
E10	144	<b>Reviewing the terms <i>behind</i>, <i>in front of</i>, <i>next to</i> and <i>beside</i>; Opt. finding positions using ordinals and number lines</b>
61	146	Recognizing attributes of shapes: sides, vertices/corners, inside, outside and curves
A61	146	<b>Counting 0 - 7 items; finding the number that makes 10 when added to the given number</b>
62	148	Combining two groups to a total of 5
63	150	Selecting a choice out of 3 options, given 2 clues
64	152	Creating story problems that add to 5
65	154	Learning the concept of 11
E11	156	<b>Finding a path counting up and down by 1s and 10s (opt. counting by 2s)</b>
66	158	Identifying objects with common characteristics
67	160	Recognizing pennies and using the cents symbol
68	162	Circling an item that shares the characteristics of a given set
69	164	Completing a sequence of numerals to 12 when one is missing
70	166	Creating story problems that add to 5
E12	168	<b>Finding a path counting up and down 0-20 by 2s and 0-25 by 5s</b>
71	170	Calculating the total when 1 is added to a given set
A71	170	<b>Counting to answer "how many" about as many as 11 things arranged in an array or as many as 10 scattered items</b>
72	172	Copying a pattern of pictures
73	174	Keeping track of time: clocks (less than a day) and calendars (more than a day)
74	176	Putting things in order and using position words: first, next and last
75	178	Saying the number names in the standard order; Opt. recognizing and using ordinals sixth through tenth
E13	180	<b>Estimating and comparing objects without counting or measuring; distinguishing letters from numbers</b>
76	182	Identifying attributes/characteristics shared by several items
77	184	Describing measurable attributes of objects, classifying objects into categories; Opt. recognizing and adding nickels
78	186	Telling time on the hour using an analog clock
79	188	Describing measurable attributes of an object such as length or weight; Opt. identifying a choice by asking yes or no questions
80	190	Learning the concept of 12; the word: dozen
T3	192	<b>Test 3</b>

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81	194	Creating story problems that add to 5
<b>A81</b>	<b>194</b>	<b>Representing addition with objects, drawings, acting out situations, expressions or equations</b>
82	196	Telling time with a clock and telling time with a calendar
83	198	Telling time on the hour using a digital clock
84	200	Comparing containers of different capacities (volumes)
85	202	Combining two groups to a total of 6
<b>E14</b>	<b>204</b>	<b>Finding a given number on a number line</b>
86	206	Creating story problems that add to 6
87	208	Putting things in order and using time words yesterday, today and tomorrow; days of the week in order
88	210	Counting forward beginning from a given number within the known sequence; Opt. naming the months and the seasons in order
89	212	Recognizing number words: zero to ten
90	214	Learning the concept of 13
<b>A90</b>	<b>214</b>	<b>Determining the lesser value in a pair of numerals</b>
<b>E15</b>	<b>216</b>	<b>Identifying attributes of shapes using: side, vertex/corner, edge and curve</b>
91	218	Completing a sequence to 12 when one or two are missing; Opt. using a number line
92	220	Naming shapes correctly regardless of their orientations or overall size; Opt. drawing lines of symmetry
93	222	Determining the number of items remaining when one or two are removed
94	224	Measuring weight with non-standard units
95	226	Learning the concept of 14
<b>E16</b>	<b>228</b>	<b>Identifying geometric shapes of common objects</b>
96	230	Selecting a set that has one less than a given set
97	232	Creating story problems that subtract from 5
98	234	Recognizing number words: zero to ten
<b>A98</b>	<b>234</b>	<b>Creating numerals out of common textured materials</b>
99	236	Creating story problems that add to 7; commutative property of addition
100	238	Learning the concept of 15
<b>E17</b>	<b>240</b>	<b>Navigating a maze and naming the geometric shapes used to create the maze</b>
101	242	Completing a sequence to 12 when one or two are missing at the beginning
102	244	Counting to answer "how many?" about as many as 16 things in a rectangular array; Opt. using pennies or nickels to pay for items
103	246	Creating story problems that add to 8
104	248	Classifying objects by category, counting them and sorting the categories by count; Opt. creating circle graphs, discussing probability
105	250	Learning the concept of 16
<b>T4</b>	<b>252</b>	<b>Test 4</b>
106	254	Creating story problems that subtract from 6
<b>A106</b>	<b>254</b>	<b>Composing simple shapes to form larger shapes</b>
107	256	Writing numbers from 0 to 20 and representing objects with a written numeral 0-20; Opt. using pennies or nickels to pay for items
108	258	Recognizing number words: zero to ten
109	260	Adding vertically to 5; learning words: horizontal and vertical
110	262	Learning the concept of 17 and 18
<b>E18</b>	<b>264</b>	<b>Dividing items into multiple groups using a circle graph; fractions</b>
111	266	Classifying objects by category, counting them and sorting the categories by count; creating picture graphs and circle graphs
112	268	Completing a sequence to 18 when one or two are missing at the beginning
113	270	Creating story problems that add to 9
<b>A113</b>	<b>270</b>	<b>Solving addition word problems using ten frames</b>
114	272	Measuring length with non-standard units
115	274	Recognizing number words: eleven, twelve and thirteen
<b>E19</b>	<b>276</b>	<b>Coloring shapes so no adjacent edges share a color</b>
116	278	Adding vertically to 5
117	280	Finding the number that makes 10 when added to a given number; Opt. adding dimes, using the dollar symbol and decimal
118	282	Selecting the number with the greatest value in a given set
<b>A118</b>	<b>282</b>	<b>Recognizing numeral equivalents and adding 2-digit numbers using dice</b>
119	284	Measuring distance with non-standard units
120	286	Learning the concept of 19 and 20
<b>E20</b>	<b>288</b>	<b>Comparing two numbers between 1 and 10 presented as written numerals; Opt. finding pairs of numbers on a number line</b>

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121	290	Creating story problems that subtract from 7
122	292	Matching a number 0-9 with a set of items
<b>A122</b>	<b>292</b>	<b>Determining the higher value in a pair of numerals between 0 and 9</b>
123	294	Adding vertically to 8
124	296	Recognizing number words: fourteen through nineteen; twenty, thirty, forty and fifty
125	298	Learning the concepts of 20 through 30; learning rows and columns
<b>E21</b>	<b>300</b>	<b>Comparing and sorting objects by length</b>
126	302	Comparing weights using non-standard units; sorting objects by weight
127	304	Completing a sequence to 20 when two are missing
<b>A127</b>	<b>304</b>	<b>Practicing addition facts with a partner game</b>
128	306	Recognizing position of an item and using position words inside and outside with geometric figures
129	308	Sorting objects by temperature; measuring temperature on Celsius and Fahrenheit scales
130	310	Learning the concepts of 31 through 50; learning rows and columns
<b>T5</b>	<b>312</b>	<b>Test 5</b>
131	314	Adding vertically to 9
132	316	Writing numbers from 0 to 20 and representing objects with a numeral 0-20; Opt. using pennies or nickels to pay for items up to 19 cents
133	318	Subtracting vertically from 6
<b>A133</b>	<b>318</b>	<b>Practicing subtraction facts with a partner game</b>
134	320	Completing a pattern of geometric shapes
135	322	Learning the concepts of 51 through 100
<b>E22</b>	<b>324</b>	<b>Counting to 100 by 10s (opt. counting by 2s and 5s)</b>
136	326	Adding vertically to 10
137	328	Writing numbers from 0 to 20, representing a number of objects with a written numeral 0-20 Opt. recognizing quarters and 50 state designs; comparing coins
138	330	Subtracting vertically from 9
<b>A138</b>	<b>330</b>	<b>Recognizing numeral equivalents and adding 2-digit numbers using dice</b>
139	332	Describing objects in the environment using names of shapes; Opt. selecting the best route on a map, giving directions using left, right, etc.
140	334	Analyzing and comparing attributes of two- and three-dimensional shapes; Opt. Charting the results of rolling a cube 20 times
<b>E23</b>	<b>336</b>	<b>Comparing objects and descriptions of different temperatures</b>
141	338	Solving addition and subtraction word problems; Opt. moving a figure using flips, slides and turns
142	340	Adding vertically to 12
143	342	Adding horizontally to 12
144	344	Recognizing number words: fifty, sixty, seventy, eighty, ninety and one hundred
145	346	Subtracting vertically from 10
<b>E24</b>	<b>348</b>	<b>Using simple shapes to compose larger shapes and pictures; Opt. describing conditions using qualitative or quantitative</b>
146	350	Adding to 15
<b>A146</b>	<b>350</b>	<b>Practicing addition facts with a partner game</b>
147	352	Selecting addition or subtraction to solve a problem
148	354	Selecting addition or subtraction to solve a problem; learning odd and even
149	356	Working with addition and subtraction fact families
150	358	Working with addition and subtraction fact families
<b>A150</b>	<b>358</b>	<b>Practicing subtraction facts with a partner game</b>
<b>YE1</b>	<b>360</b>	<b>Year-End Test 1</b>
<b>YE2</b>	<b>362</b>	<b>Year End Test 2</b>
151	364	Decomposing numbers less than or equal to 10 into pairs in more than one way; Opt. finding a number using trial and error
152	366	Comparing two numbers to identify smaller, larger or the same; Opt. using a number line
153	368	Finding the number that makes 10 when added to a given number; Opt. arranging 4 items to show possible combinations
154	370	Composing and decomposing numbers 11 - 19 into ten ones and further ones; Opt. charting the results of flipping a coin 12 times
155	372	Composing and decomposing numbers 11 - 19 into ten ones and further ones; Opt. creating bar graphs to analyze data; using the terms range and mode; fractions