

Camelot Learning Number Friends

Correlation to The National Council of Teachers Mathematics

<p>Lesson 10: Word Names 5-10 Review</p>	<p>represent numbers?</p>	<ul style="list-style-type: none"> • Use word names for objects 0 – 10 • Draw objects that correspond to the correct word name (0 – 10) 	<p>(PK-2)</p> <p>Communication</p>	<p>in sets of objects</p> <ul style="list-style-type: none"> • Develop an understanding of the relative position and magnitude of whole numbers and of ordinal and cardinal numbers • Connect number words and numerals to the quantities they represent, using various physical models and representations • Develop a sense of whole numbers and represent and use them in flexible ways, including relating, composing, and decomposing numbers • Communicate mathematical thinking coherently and clearly • Use the language of mathematics to express mathematical ideas precisely
<p>Lesson 11: Find the Missing Numbers 0 - 10</p> <p>Lesson 12: Find the Missing Numbers 0 - 10 Review</p>	<p>How can you use before, after and between to find numbers?</p>	<ul style="list-style-type: none"> • Use number line to find missing numbers from 0 – 10 • Find numbers that come before, after, and between numbers from 0 – 10 	<p>Number and Operations (PK-2)</p> <p>Algebra</p> <p>Communication</p>	<ul style="list-style-type: none"> • Develop an understanding of the relative position and magnitude of whole numbers and of ordinal and cardinal numbers • Use a variety of methods and tools to compute, including objects, mental computation, paper and pencil • Connect number words and numerals to the quantities they represent, using various physical models and representations • Develop a sense of whole numbers and represent and use them in flexible ways, including relating, composing, and decomposing numbers • Sort, classify, and order objects by size, number, and other properties • Communicate mathematical thinking coherently and clearly • Use the language of mathematics to express mathematical ideas

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<p>Numbers 0 - 20</p> <p>Lesson18: Comparing Numbers 0 - 20 Review</p>	<p>improve number sense?</p>	<ul style="list-style-type: none"> • (using objects) to 20 • Put numbers in order using objects from smallest to biggest up to 20 • Put numbers in order using objects from biggest to smallest up to 20 	<p>(PK-2)</p> <p>Algebra</p> <p>Communication</p>	<p>magnitude of whole numbers and of ordinal and cardinal numbers</p> <ul style="list-style-type: none"> • Connect number words and numerals to the quantities they represent, using various physical models and representations • Sort, classify, and order objects by size, number, and other properties • Communicate mathematical thinking coherently and clearly • Use the language of mathematics to express mathematical ideas precisely
<p>Lesson 19: Make Ten using Objects</p> <p>Lesson 20: Make Ten using Objects Review</p>	<p>How can you use the make ten strategy to add objects?</p>	<ul style="list-style-type: none"> • Use pictures and objects to make 10 • Count up from a number to make the number 10 	<p>Number and Operations (PK-2)</p> <p>Algebra</p>	<ul style="list-style-type: none"> • Develop an understanding of the relative position and magnitude of whole numbers and of ordinal and cardinal numbers • Use a variety of methods and tools to compute, including objects, mental computation, paper and pencil • Connect number words and numerals to the quantities they represent, using various physical models and representations • Understand various meanings of addition and subtraction of whole numbers and the relationship between the two operations • Understand the effects of adding and subtracting whole numbers • Develop and use strategies for whole-number computations, with a focus on addition and subtraction • Develop fluency with basic number combinations for addition and subtraction • Model situations that involve the addition and subtraction of whole numbers, using objects, pictures, and symbols.

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			Communication	<ul style="list-style-type: none"> Communicate mathematical thinking coherently and clearly Use the language of mathematics to express mathematical ideas precisely
<p>Lesson 21: Using Pictures to Add</p> <p>Lesson 22: Using Pictures to Add Review</p>	How can you use pictures to add 0-10?	<ul style="list-style-type: none"> Use Concrete objects to solve addition problems Model addition as combining sets and adding to sets Use the plus symbol (+) to show addition 	<p>Number and Operations (PK-2)</p> <p>Algebra</p> <p>Communication</p>	<ul style="list-style-type: none"> Develop an understanding of the relative position and magnitude of whole numbers and of ordinal and cardinal numbers Use a variety of methods and tools to compute, including objects, mental computation, paper and pencil Connect number words and numerals to the quantities they represent, using various physical models and representations Understand various meanings of addition and subtraction of whole numbers and the relationship between the two operations Understand the effects of adding and subtracting whole numbers Develop and use strategies for whole-number computations, with a focus on addition and subtraction Develop fluency with basic number combinations for addition and subtraction Model situations that involve the addition and subtraction of whole numbers, using objects, pictures, and symbols Use concrete, pictorial, and verbal representations to develop an understanding of addition and subtraction symbols Communicate mathematical thinking coherently and clearly Use the language of mathematics to express mathematical ideas

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				<p>clearly</p> <ul style="list-style-type: none"> Use the language of mathematics to express mathematical ideas precisely
<p>Lesson 29: Bar Graphs</p> <p>Lesson 30: Bar Graphs Review</p>	<p>How can you make a bar graph?</p>	<ul style="list-style-type: none"> Use a simple grid to represent a bar graph and color in the blocks Use blocks to represent objects and line them up to represent a bar graph Use tally marks to color in a grid to represent a bar graph 	<p>Number and Operations (PK-2)</p> <p>Data Analysis and Probability Standard</p> <p>Communication</p>	<ul style="list-style-type: none"> Develop an understanding of the relative position and magnitude of whole numbers and of ordinal and cardinal numbers Pose questions and gather data about themselves and their surroundings Represent data using concrete objects, pictures, and graphs. Sort and classify objects according to their attributes and organize data about the objects Describe parts of the data and the set of data as a whole to determine what the data show. Communicate mathematical thinking coherently and clearly Use the language of mathematics to express mathematical ideas precisely
<p>Lesson 31: Use Length to Sort Objects</p> <p>Lesson 32: Use Length to Sort Objects Review</p>	<p>How do I use the length of an object to sort it?</p>	<ul style="list-style-type: none"> Choose which object is longer Choose which object is shorter Build objects that are longer than a set object Build objects that are shorter than a set object 	<p>Measurement Standard (PK-2)</p> <p>Communication</p>	<ul style="list-style-type: none"> Recognize the attributes of length Compare and order objects according to these attributes Understand how to measure using nonstandard and standard units Use tools to measure Communicate mathematical thinking coherently and clearly Use the language of mathematics to express mathematical ideas precisely
<p>Lesson 33: Compare Length</p> <p>Lesson 34: Compare Length Review</p>	<p>How do I use the length of objects to order and sort it?</p>	<ul style="list-style-type: none"> Compare two objects using shorter and longer Sort up to 3 objects longest/shortest and shortest/longest Number pictures of objects in order from longest/shortest and 	<p>Measurement Standard (PK-2)</p>	<ul style="list-style-type: none"> Recognize the attributes of length Compare and order objects according to these attributes Understand how to measure using nonstandard and standard units Use tools to measure

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		shortest/longest	Communication	<ul style="list-style-type: none"> Communicate mathematical thinking coherently and clearly Use the language of mathematics to express mathematical ideas precisely
<p>Lesson 35: Twenty Chart</p> <p>Lesson 36: Twenty Chart Review</p>	How do I use a twenty chart to understand and find number patterns?	<ul style="list-style-type: none"> Use a twenty chart to show number patterns Complete missing sections of the twenty chart Find your place on the twenty chart by going up and down 	<p>Number and Operations (PK-2)</p> <p>Communication</p> <p>Algebra</p>	<ul style="list-style-type: none"> Develop an understanding of the relative position and magnitude of whole numbers and of ordinal and cardinal numbers Use a variety of methods and tools to compute, including objects, mental computation, paper and pencil Connect number words and numerals to the quantities they represent, using various physical models and representations Communicate mathematical thinking coherently and clearly Use the language of mathematics to express mathematical ideas precisely Recognize, describe, and extend patterns such as sequences of sounds and shapes or simple numeric patterns and translate from one representation to another Model situations that involve the addition and subtraction of whole numbers, using objects, pictures, and symbols
<p>Lesson 37: Greater Than or Less Than</p> <p>Lesson 38: Greater Than or Less Than Review</p>	How do I compare numbers using greater than or less than?	<ul style="list-style-type: none"> Compare number of objects using words greater than or less than Compare number symbols using greater than or less than 	<p>Number and Operations (PK-2)</p> <p>Algebra</p>	<ul style="list-style-type: none"> Develop an understanding of the relative position and magnitude of whole numbers and of ordinal and cardinal numbers Connect number words and numerals to the quantities they represent, using various physical models and representations Use concrete, pictorial, and verbal representations to develop an understanding of invented and conventional

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