



RCSA Elementary Summer Project – 2nd Grade

Student Name: _____

PROJECT DUE DATE: Monday, August 15th

**Projects should be submitted to student's homeroom teachers.*

**Your student is required to complete the tasks indicated on the Choice Board pages.*

Grade Level Expectations (Upcoming 2nd Graders should be able to...)

<p>ELA</p> <ul style="list-style-type: none"> • Fluently read 118 words per minute • Read and write phonetic words as well as high frequency words • Craft correctly punctuated sentences • Comprehend short chapter books with simple words and identify the main idea, setting, characters. etc. • Identify nouns, verbs, and adjectives • Use rhyming words • Follow three-step spoken or written directions • Discuss what they have read. 	<p>Math</p> <ul style="list-style-type: none"> • Skip count to 100 by 2s, 5s and 10s • Add and subtract single-digit numbers • Add and subtract double-digit numbers without regrouping • Identify two-dimensional and three-dimensional shapes • Tell time to the hour or half-hour • Identify even and odd numbers • Read a simple bar graph • Describe patterns • Use a ruler to measure inches and centimeters
<p>STEM</p> <ul style="list-style-type: none"> • Understand the Solar System and how Earth and our life relate • Understand the concept of habitats and distinguish between different types of habitats • Know that objects can be described, classified, and compared based on their composition and properties (color, shape, etc.) • Recognize and observe characteristics and behavior of living and non-living things • Use investigation to seek information • Collect and record data using tallies, lists, charts and graphs 	<p>Social Emotional Skills</p> <ul style="list-style-type: none"> • Work independently, sustain attention for a longer time period and follow classroom routines. • Easily interact with their peers, as well as with adults. • Work out most issues with peers amicably or seek help when appropriate.



Recommended Reading List

1

<i>Rumble in the Jungle</i>	Andreae, Giles
<i>Swimmy</i>	Lionni, Leo
<i>The Bald Eagle</i>	Pearl, Norman
<i>The Carrot Seed</i>	Krauss, Ruth and Crockett Johnson
<i>The Sky Painter: Louis Guertres, Bird Artist</i>	Engle, Margarita
<i>The Very First Americans</i>	Ashrose, Cara
<i>Two Ways to Count to Ten: A Liberian Folktale</i>	Dee, Ruby
<i>Wandering Whale Sharks</i>	Shingu, Susumu
<i>We Have a Little Garden</i>	Potter, Beatrix
<i>Where the Wild Things Are</i>	Sendak, Maurice

2

<i>Now & Ben: The Modern Inventions of Benjamin Franklin</i>	Barretta, Gene
<i>Police Officers</i>	Bourgeois, Paulette
<i>Put Me in the Zoo</i>	Lopshire, Robert
<i>The Slug</i>	Gravel, Elise
<i>The Tale of Peter Rabbit</i>	Potter, Beatrix
<i>The Three Little Pigs</i>	Halliwell-Phillipps, James
<i>The Tortoise and the Hare</i>	Aesop
<i>The Ugly Duckling</i>	Andersen, Hans Christian
<i>The Velveteen Rabbit</i>	Williams, Margery
<i>The White House</i>	Douglas, Lloyd
<i>Tooth By Tooth: Comparing Fangs, Tusks, and Chompers</i>	Levine, Sara

3

<i>"The Swing"</i>	Stevenson, Robert Louis
<i>A More Perfect Union: The Story of Our Constitution</i>	Maestro, Betsy
<i>Bears on Hemlock Mountain</i>	Dalglish, Alice
<i>Bee Dance</i>	Chrustowski, Rick
<i>Eleanor</i>	Cooney, Barbara
<i>Father of the Constitution: A Story about James Madison</i>	Mitchell, Barbara
<i>Four Famished Foxes and Fosdyke</i>	Duncan, Pamela
<i>Give Bees a Chance</i>	Barton, Bethany
<i>In a Pickle and other Funny Idioms</i>	Terban, Marvin



ELA CHOICE BOARD

Complete the tasks indicated in each column. Each task should be put on a separate sheet of paper with the subject and number as the header. (i.e. ELA: Reading Task #2)

Foundations	Reading	Communication (Writing)	Vocabulary
<p>1 Cereal box read aloud</p> <p>Using a cereal box, choose a variety of words from easy to "stretch" words, and see if your child can sound out the letters as you point to each. For longer unfamiliar</p> <p>Draw your cereal box and write 10 words that you learned or sounded out on the back of your cereal box.</p>	<p>1 Using the reading list provided; Read a fiction book of your choice and list the characters in the story, describe the setting, and discuss the problem in your story. A written response must be turned in.</p>	<p>1 Write an expository essay answering this prompt: If you could visit anywhere this summer, where would you go and tell why it is the best place to visit in the summer. You should have a topic sentence in each paragraph as well as examples to support your reasons.</p>	<p>1 Think about your favorite food. Draw your favorite food. Create a diagram that points out five describing words about your favorite food using your five senses. (i.e. Pizza; cheesy, greasy, chewy, orange, garlicky)</p>
<p>2 Grocery store literacy</p> <p>Lots of grocery items come in different flavors. Ask your child to help you find a particular flavor by reading the labels. For example, can they find the low fat milk? The tuna fish packed in water? Put your child in charge of the grocery list. As you put items into the cart, say the word and ask your child to cross it off the list.</p> <p>Take paper with you to the store anytime you go and create a word list of words that you sound out or learn at the grocery store.</p>	<p>2 Using the reading list provided; Read a fiction book of your choice and respond to the following: describe the characters, tell where the story takes place, discuss the conflict, and explain how the problem was solved. In your written response, explain if you agree with the outcome. Students will also draw a book cover for the story you read.</p>	<p>2 Write a personal narrative using transition words, chronological order, adjectives and at least 4 paragraphs about something you did this summer.</p>	<p>2 Think about your favorite food. Draw your favorite food. Write two-three sentences describing this food using your five senses.</p>



ELEMENTARY

Grades K-5



<p>3 Family poetry jam</p> <p>Find a fun poem about a topic(s) that is familiar to your child like animals, food, and bedtime.</p> <ul style="list-style-type: none"> -Read the poetry aloud slowly. -Emphasize words/rhymes -Reread the poem several times. THEN, take turns reading! <p>First you read one line or one stanza, and have your child read the next. See if you can do that while maintaining the rhythm of the poem.</p> <p>Write your own family poem and bring it back to school. We can't wait to hear yours.</p>	<p>3 Read a fiction book and a non-fiction book. Using the reading list provided, students will read a fiction book of their choice and respond to the following: describe the characters and setting, discuss the conflict and explain how the problem was solved. Students will also read a non-fiction book and write a summary of what they read.</p>	<p>3 Write an informational essay on your favorite ocean animal. You should include at least 4 paragraphs (1 introduction, 2 body and one conclusion) using transition words, shades of meaning words and using proper capitalization and punctuation.</p>	<p>3 Think about the vegetable and fruit aisle at a grocery store. Research different kinds of fruits and vegetables and select one you did not know about. In one paragraph (3-5 sentences), describe this fruit/vegetable using your five senses.</p>
---	---	--	---



MATH CHOICE BOARD

Complete the tasks indicated in each column. Each task should be put on a separate sheet of paper with the subject and number as the header. (i.e. MATH: Measurement Task #2)

Number Sense & Operations	Algebraic Reasoning	Measurement	Geometric Reasoning	Data Analysis & Probability	Fractions
1. Expanded form: Roll it, draw it, expand it. Students will roll two dice and record their answers; they must write it in number form, base ten form, and expanded form. Turn in your paper with at least ten different numbers.	1 Using fruit loops, grab a couple handfuls. -Sort your fruit loops by color. -Draw a picture of your coins and record if they are even or odd at the bottom of your picture.	1 Create a chart listing at least 5 things you do in the morning (AM) and 5 things you do in the evening (PM).	1 Draw a picture of your favorite animal using 2D shapes. Be sure to label your 2D shapes.	1 Fruit Loop Survey: Using the attached paper, answer the questions about your fruit loops. -Sort your fruit loops by color and draw the number of fruit loops you have of each color into the circles.	1 Take a piece of paper and fold it into halves, Draw different pictures in each section of the paper. Repeat this process on two other pieces of paper for thirds and fourths.
2 Create a memory game using expanded form on index cards. Students will use at least 15 different numbers to complete their game. They must turn in the index cards to get credit.	2 Using fruit loops, grab a couple handfuls. -Sort your fruit loops by color. -Add 2 color groups together and record your addition equation. -Then draw the grouped fruit loops and identify if the new combined group is even or odd.	2 Create a quiz about money! Include the following: -Answer Key -minimum 10 questions using coins and bills and various combinations of each.	2 Print out a paper copy of the flag of Greece. Record and label as many 2D shapes in this flag that you can find. Complete this same activity with the Flag of Grenada.	2 Using the attached paper, answer the questions about your fruit loops. -Graph your fruit loops by placing them into the columns of their color. Trace them to record your data of how many of each color you pulled in your handful.	2 Think about a rectangle ice cream sandwich. Draw an ice cream sandwich and show how to split it EQUALLY between two, three, and four people. Repeat this activity again showing different ways to split the sandwich.



ELEMENTARY

Grades K-5



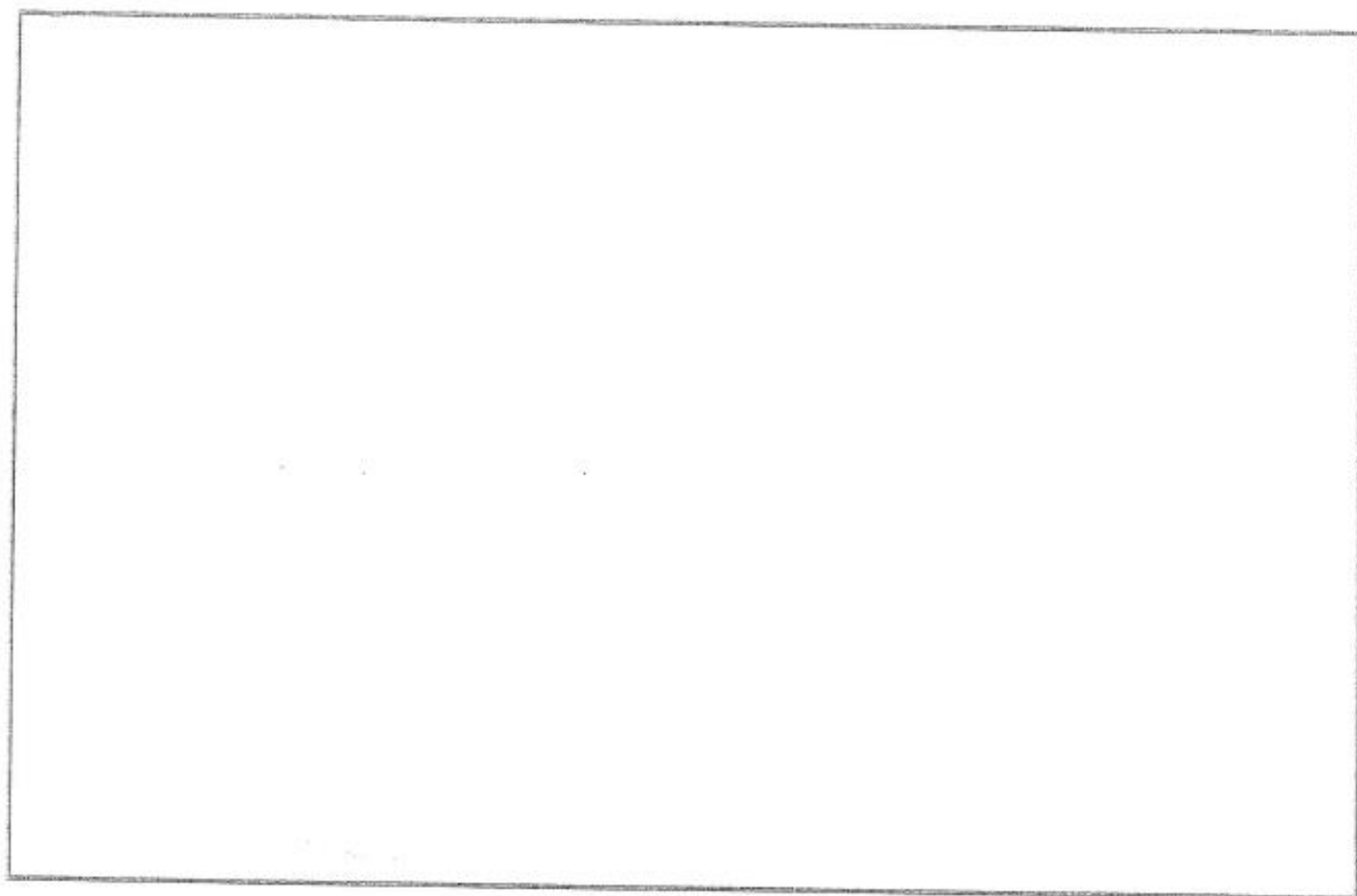
<p>3 Create a board game using expanded form. Students will use at least 20 different numbers and make directions for the game. Don't forget to turn in you board game directions to receive credit.</p>	<p>3 Using fruit loops, grab a couple handfuls. -Sort your fruit loops by color. - Record the number of each color you have and decided if they are even or odd by how many you have in each color.</p> <p>Create 3 word problems using you recorded data. Create a problem for each of the following: 1.Even or odd 2.Addition 3.Subtraction</p>	<p>3 Find 10 things around the house or outdoors and estimate their size. List if you should use a ruler, yardstick or measuring tape to measure each item. Then measure each item and list the difference between your estimate and the actual size.</p>	<p>3 Use a Venn Diagram to compare and contrast two 2D shapes of your choice. After, choose two different shapes and repeat the activity a second time.</p>	<p>3 Using the attached paper, answer the questions about your fruit loops. -Create a colorful bar graph representing your data from the handful of fruit loops you pulled from the box.</p>	<p>3 Create a booklet that shows two circle shaped foods and two rectangle-shaped foods. For each food, draw lines to show how to split these foods between two, three, and four pieces.</p>
--	---	---	---	--	--



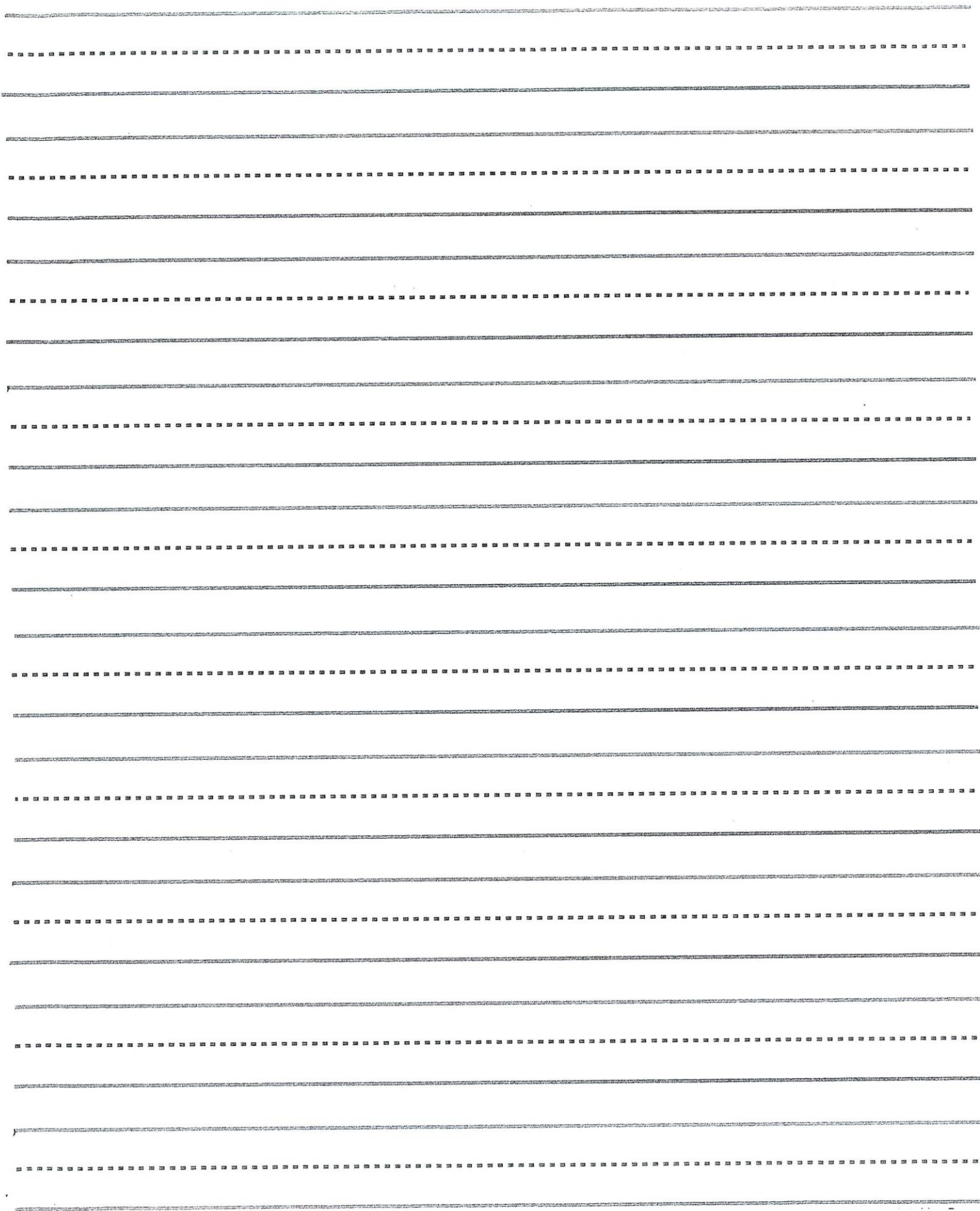
SCIENCE CHOICE BOARD

Complete the tasks indicated in each column. Each task should be put on a separate sheet of paper with the subject and number as the header. (i.e. Science: Nature of Science Task #1)

Nature of Science	Life Science	Physical Science	Earth & Space Science
<p>1 https://youtu.be/qQBZbinoOrl</p> <p>What is the scientific method? Here are the steps. Observation Use your senses. Form an opinion. Conduct an experiment. Give your conclusions. Write sentences</p>	<p>1 Research how domesticated cats (house pets) behavior compare to the behavior of wild cats in the zoo. Use Internet, experts, experience, etc... Write notes and keep them as a resource for later.</p>	<p>1 Investigate the properties of solids and liquids. Create a t-chart for solids and liquids, then using a magazine, cut, sort, and glue pictures of solids versus liquids onto the t-chart.</p>	<p>1 Watch the video then write paragraphs (3 – 5) sentences each about what you learned. Give your paper a title. https://www.youtube.com/watch?v=ty2Za-O9h6w</p>
<p>2 https://www.youtube.com/watch?v=fpeLuU6hxkA</p> <p>- Watch video and conduct a scientific observation.</p> <p>- Research details and write 2 paragraphs about your findings</p>	<p>2 Read along with this book from Wild Kratts and pick two canines to compare on a Venn Diagram. https://www.youtube.com/watch?v=bAWXELow1ZI</p>	<p>2 How does salt affect ice melting /water freezing? Put 2 ice cube in different containers, add of salt to one and nothing to other. Time for 5 minutes. Next place both in freezer Record your observations. Take pictures if possible</p>	<p>2 Make a poster about the three different types of rock. (igneous, sedimentary, and metamorphic)</p>
<p>3 Watch this video and perform your experiment. Write the steps on your chart (You can do the same or different experiment) https://www.youtube.com/watch?v=s0YeEzX2eYE</p>	<p>3 Watch this video Complete a diagram of choice Compare/Contrast fill in the blank to show comparison and contrast of Cats and dogs https://www.youtube.com/watch?v=WEyHFDtMYjM</p>	<p>3 Measure 1 cup of water or similar liquid. Using 4 different size and shaped containers, pour the water into each container. Record and observe if the volume is affected by a container's shape or size.(Which holds most, least water?)</p>	<p>3 Using the Read along book, Collect 6 or more rocks and see if you can classify them into groups (smooth, grainy, soft, color.) Make a chart to describe your rocks. https://www.youtube.com/watch?v=LhBGiUuGe2Q</p>



Handwriting practice lines consisting of multiple sets of three horizontal lines: a solid top line, a dashed middle line, and a solid bottom line. There are eight such sets of lines spanning the width of the page.



Predictions

Fruit Loop Math

Name: _____

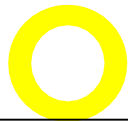
Circle which color will have the most?



 red



 orange



 yellow



 green



 blue



 purple

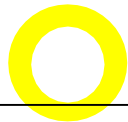
Circle which color will have the least?



 red



 orange



 yellow



 green



 blue



 purple

How many of each color?

green

blue

purple

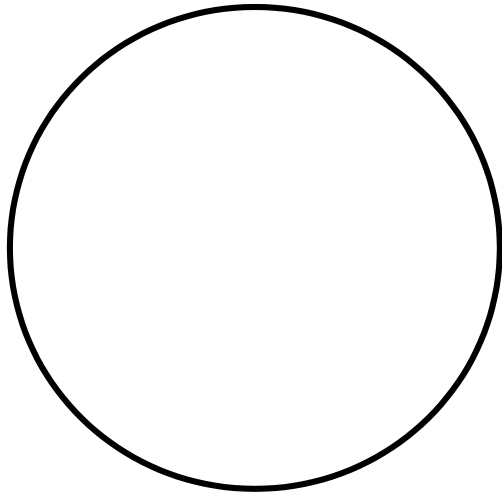
How many total will you get?



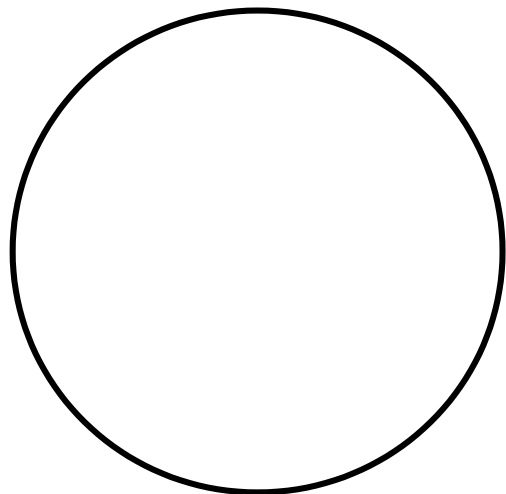
Name: _____



Sort your fruit loops in the circles. Count how many of each color, then draw them in the circle



Red _____



Orange _____

Green _____

Blue _____

Purple _____

Fruit Loop Math

Name: _____

Graph your Fruit Loops by placing each one of them by color in the squares.
Then color the squares to show how many of each color your have.

8						
7						
6						
5						
4						
3						
2						
1						

Red

Orange

Yellow

Green

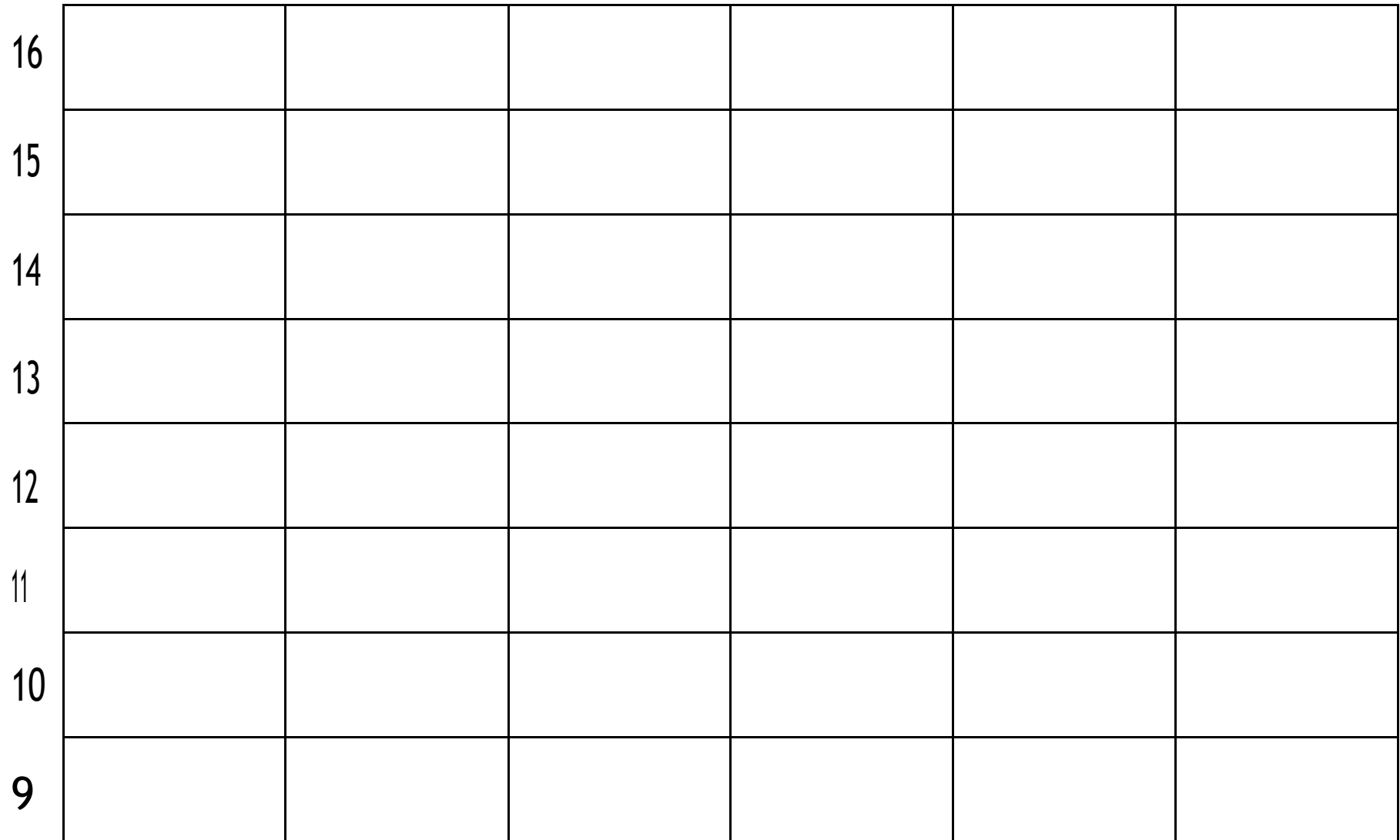
Blue

Purple

Fruit Loop Math

Name: _____

Graph your Fruit Loops by placing each one of them by color in the squares.
Then color the squares to show how many of each color your have.



Red

Orange

Yellow

Green

Blue

Purple