



Sally Ride ES



Summer Math & Reading Packet for Students

Completing Fourth Grade

First Name: _____ Last Name: _____

Fourth Grade Teacher: _____

Fifth Grade Teacher (fill out in August): _____

Parent/Guardian Signature: _____

Attached are math and reading activities for your child to do over the summer. A parent signature above will indicate that your child has completed this packet prior to the start of school. Students can record their work on any paper they choose and do not need to turn in any work. This completed cover sheet is all that needs to be turned in **no later than the end of the first week of school**. Have your child give this cover sheet to next year's homeroom teacher to earn a reward in September.

For additional reading activities from the Montgomery County Public Library visit <http://montgomerycountymd.libguides.com/kidsite>

For additional math activities visit the SKR website at <http://www.montgomeryschoolsmd.org/schools/ridees/>

Have a great summer!

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Fourth Grade Going Into Fifth Grade Summer Math Work – Sally Ride ES

<p>This summer math work is for students entering Fifth Grade. This is recommended, but not required. Reviewing the learned skills will maintain the foundation for math success at the next grade level.</p>		<p>The answer to a division problem is 23. What was the problem?</p> <p>How can you change the problem so that it has a remainder of 3.</p>	<p>Draw three different designs that are all $\frac{3}{4}$ green. How are the designs similar? Different?</p>	<p>Students from three classes are planning a field trip. On the trip, there will be 24 students from each class, along with 8 teachers and 12 parents. How many people go on the trip?</p>	<p>A student says that $\frac{1}{5}$ is bigger than $\frac{1}{4}$ because 5 is bigger than 4.</p> <p>Are they correct? Why or why not?</p>	<p>Sarah rounded a four digit number to 3,500. What could her number be?</p> <p>What other numbers could be rounded to 3,500?</p>
<p> Alex says the shape is a rhombus. Carolyn says the shape is a square.</p> <p>The teacher says they are both correct. Why?</p>	<p>Write the following number in expanded form.</p> <p style="text-align: center;">24,036</p>	<p>Write a multiplication word problem and teach someone the steps to solve it.</p>	<p>Mrs. Brewer and Mrs. Glawe each ate $\frac{3}{4}$ of their sandwich. Mrs. Brewer ate more than Mrs. Glawe.</p> <p>Explain how this is possible.</p>	<p>Solve:</p> <ul style="list-style-type: none"> • 4,689-2,349 • 5,008-899 • 1,000-749 	<p>Four families each brought the same number of chairs to a block party. Three more chairs are needed to seat all 27 of the participants. How many chairs did each family bring?</p>	<p>How many $\frac{1}{4}$ are there in $2\frac{3}{4}$?</p> <p>What about it $4\frac{1}{2}$?</p>
<p>My calculator's subtraction key is broken.</p> <p>What else could I put into the calculator to solve this problem?</p> <p>$68 + X = 413$</p>	<p>Sort these fractions: Are they closer to 0, $\frac{1}{2}$ or 1? Draw a picture or model to prove it.</p> <p style="text-align: center;">$\frac{5}{6}, \frac{3}{4}, \frac{7}{9}, \frac{2}{5}, \frac{2}{3}, \frac{1}{8}$</p>	<p style="text-align: center;">3.091</p> <ul style="list-style-type: none"> • Is this number closer to 3 or 4? • Is this number closer to 3 or 3.1? <p>Be sure to explain how you know.</p>	<p>Order these decimals from least to greatest:</p> <ul style="list-style-type: none"> • 34.098 • 33.999 • 34.908 • 34.089 	<p>Draw three different shapes that all have a perimeter of 46.</p> <p>How are they similar? How are they different?</p>	<p>The area of Mr. Burd's rectangular garden is 240 square feet.</p> <ul style="list-style-type: none"> • Give at least two different possible measurements for his garden. • Compare the perimeters of these gardens. 	<p>Sean has 21 cents in his pocket. Sean told Jesse that he would give Jesse the 21 cents if he could correctly guess what coins they were. He would give Jesse 3 guesses. If Jesse did not guess correctly, Jesse would have to give Sean 21 cents. Should Jesse guess? Explain your math thinking.</p>
<p>Write a division word problem and teach someone the steps to solve it.</p>	<p>Two brothers want to make muffins for the 35 kids at their summer camp. They have \$5.00 to spend on muffin mix. The box of muffin mix said it would make 12 muffins. Each box of muffin mix is \$1.25. Will the boys be able to make enough muffins for everyone?</p>	<p>Order these fractions from least to greatest.</p> <p style="text-align: center;">$\frac{1}{3}, \frac{1}{8}, \frac{1}{5}, \text{ and } \frac{1}{10}$</p> <p>Draw a model to prove you are correct.</p>	<p>Solve:</p> <ul style="list-style-type: none"> • 24×5 • 312×6 • 129×12 	<p>In the Land of Oz lives Ozzie, who is confused about time. He is trying to figure out how many times a day the hour hand passes a number that is a multiple of 3. What is the answer?</p>	<p>The answer is 312, what is the question?</p> <ul style="list-style-type: none"> • What other questions could have this same answer? • Can you come up with a problem that uses multiple operations? 	<p>Name at least two numbers that come between 2.7 and 2.8.</p> <p>Create a number line to show these decimals.</p>
<p>Draw a picture that includes the following (you may add more):</p> <ul style="list-style-type: none"> • 2 parallelograms • 1 right angles • 1 obtuse angle • 1 trapezoid 	<p>What are the missing #s?</p> $\begin{array}{r} 38 _ 4 \\ 410 _ \\ + _ 74 \\ \hline 8900 \end{array}$	<p>The teachers ate a lot of candy at their meeting! Who ate the most? Least? How can you prove it? Mrs. A ate $\frac{2}{6}$ of her bar Mr. B ate $\frac{2}{3}$ of his bar Ms. C ate $\frac{5}{6}$ of her bar Mrs. D ate $\frac{1}{2}$ of her bar Mr. E ate $\frac{1}{3}$ of his bar</p>	<p>The difference between two numbers is 2,106. What could the two numbers be? What other two numbers have the same difference?</p>	<p>The design of the activities is meant to support instruction in the new curriculum in both its content and presentation. Therefore, the activities are not to be done as independent problems, but to be worked on with a parent, guardian or older brother or sister. Talking about the problem is an important part of completing each activity. On the backside of this calendar are recommended math websites for more reinforcement of math concepts and computation. (Created by the Sherwood Cluster & adapted by Sally Ride ES)</p>		

<http://www.allmath.com/>

This site has flash cards and links to other sites for games, math humor, worksheets, math help and more.

<http://www.aplusmath.com>

This site has basic facts flash cards and a game room, worksheets, multiplication table practice and more.

<http://www.mathfactcafe.com>

This site has a pencil next to pre-made cards so kids can do the facts and have the computer check them. Kids can print them out and also put in their own numbers and make their own worksheets.

<http://www.funbrain.com>

This site has easier to harder addition and subtraction computation and problem solving. It also has language and grammar skills activities

<http://www.dositey.com/>

This site is a lot of fun and is good for 2 digit addition with and without regrouping

<http://www.24game.com>

This site has math games using basic operations

<http://www.coolmath4kids.com>

This site has a wide range of topics and will give you step-by-step instructions.

<http://www.abc.net.au/countusin/games>

Each game is designed to help kids understand basic concepts in math. This site has a variety of math games i.e. volume, length, halves, chance, numbers, time, sorting, subtraction, and addition. It is better for students of the primary grades.

<http://www.learningplanet.com>

This site has games by grade level but with advertisement and a subscription. There are some free games.

<http://www.gamequarium.com>

This site has math activities for K-6.

<http://www.SETGame.com>

This is a card game to build students' visual thinking and pattern skills in math. Commercial, but does have some great free puzzles.

<http://www.math.com>

Good resource of how to do problems

<http://www.mathcats.com>

This is an interactive fun site

<http://www.spikesgamezone.com>

Lots of math games

<http://www.funschool.com>

This site has games, but also commercial advertising

<http://www.figurethis.org>

This site gives you ideas for fun hands-on math activities. Good for upper grades

<http://www.kidsites.com>

List of sites for math as well as other subjects.

<http://timezattack.com>

FREE home version for practicing multiplication facts (also new versions for division, addition, and subtraction!)

<http://abcya.com>

Loads of math games for K-5 as well as games for reading and language arts

Fourth Grade Going Into Fifth Grade Summer Reading Work – Sally Ride ES

	<p>Cut out pictures of three people from a magazine. Write what they might be saying.</p>	<p>In celebration of International Joke Day, read a joke book and share your favorite jokes with a friend.</p>	<p>VISIT THE LIBRARY! Read a book about a place that has hot weather. Write about this place and what you learned.</p>	<p>Draw a picture of a perfect Fourth of July picnic. Write a poem that includes alliteration or personification.</p>	<p>Find a list of Major League baseball teams in the newspaper and put them in ABC order.</p>	
	<p>Read for 15 minutes. Who was your favorite character? Write a paragraph explaining why?</p>	<p>List all the books by your favorite author. See how many you can read this summer.</p>	<p>VISIT THE LIBRARY! Find and read an adventure. Write a different ending for that story.</p>	<p>Think of one special place you would like to visit this summer and write a letter to an adult persuading them to take you there.</p>	<p>Design a special award for your favorite book character. Tell what your character did to earn this award.</p>	
	<p>Make a list of words that describe fireworks.</p>	<p>VISIT THE LIBRARY! Read a book that takes place in another country. Use comparison circles to show the similarities and differences to the United States.</p>	<p>Take an imaginary trip to an imaginary destination. Create a picture postcard that shows the things you saw and did on the trip.</p>	<p>Create a new board game. Draw it and write the directions so others can play it. What did you name it?</p>	<p>July 20th is the Japanese holiday known as Umi No Hi or "Ocean Day". Write about why you love the ocean.</p>	
	<p>Read for at least 15 minutes. Illustrate the text. Write a summary of the book, or part of the book, you read.</p>	<p>VISIT THE LIBRARY! Find a biography about Neil Armstrong who first walked on the moon this month. Write 3 interesting facts you learned about him.</p>	<p>Create a new cookie. Name it and design a box that will make people want to try it.</p>	<p>Read the directions to a game with a family member. Then play it with your family.</p>	<p>VISIT THE LIBRARY! Read a mystery book and draw a new cover showing the setting and the characters.</p>	
	<p>Choose an international recipe. Write the ingredients. If you get a chance, try making the recipe with an adult.</p>	<p>Read a book about the weather. Write five interesting facts you learned.</p>	<p>It's the end of July. What was the best part of this month? Why? Write about it.</p>			

Fourth Grade Going Into Fifth Grade Summer Reading Work (Continued) – Sally Ride ES

				Make a map for the setting in your book.	Make a shopping list of all the things you will need for school this year.	
	Did you go to camp this summer? Write about your favorite part of camp.	Write a letter to a friend about your summer vacation. Use all five senses to describe your vacation.	Use this website to find information about your favorite author – http://www.ala.org/gwstemplate.cfm?section=greatwebsites&template=/cfapps/qws/displaysection.cfm&sec=16	VISIT THE LIBRARY! Read about a place you visited this summer. What did you learn?	Read a book about the weather. Write five interesting facts you learned.	
	Think of your favorite place to eat. Write five reasons why people should eat there.	VISIT THE LIBRARY! Read a book written by your favorite author. What did you read? Who is the author?	If you could be any character in a book who would you be and why? Give at least five reasons.	Read or listen to a folk or fairy tale from another country. This website has some stories from around the world: http://storynory.com/	Get friends together to make the folk or fairy tale you read into a play. Remember you will need to write dialogue.	
	Think of your favorite board game. Write a letter to a friend telling why it's your favorite board game. Be sure to include at least five reasons.	Make a list of all the words that describe a character you are reading about. Choose one word and tell why that word describes the character.	Write a letter to your new teacher. In your letter tell about your summer reading and writing.	Make a poster showing some of the great books you read this summer. Write a sentence about each.	Mount Vesuvius exploded on August 25 th in 79 A.D. Look up facts about volcanoes.	
	Please bring your summer reading calendar back to school with you!					