

# 1st Graders are Wild About Learning!



## Ways to support your child:


- Make a plan and help your child identify the areas of mathematics they would like to focus on over the summer.
- Recognize your child's strengths and always be encouraging to your young mathematician.
- Have fun solving problems together and creating your own new math challenges.



# July

**Directions:** The purpose for the activities is to have **fun with math and see math throughout your day**. Encourage a “growth mindset” letting your child know that they have unlimited math potential and that it’s all about working hard. The calendar does not need to be returned in the fall, but we hope you complete many of the activities and use them to develop and explore your own ideas!

**Math Tools You May Need:** Blank paper or a spiral notebook for problem solving and creating, ruler (<https://printable-ruler.net/>), pencils, colored pencils, scissors

<b>Week 1</b>	Find an example of a circle in your bedroom, in your kitchen, outside and in a book. Draw a picture of one (or more) and share with someone.	Ask your family how they use math around the house, in their job, doing fun activities.	Beat the Clock! List 5 things you could do in a minute or less. Try each one. Were you successful?	Practice counting on from numbers other than 1. Start with 4 ... Start with 17 ... Start with 32 ... Start with 55 ...	Sort the laundry by owner, size, color, or item type. Which family member had the most socks? 	Make a picture using <b>2 circles</b> , <b>3 triangles</b> and some <b>rectangles</b> . Explain to a friend or family member what you made and how you made it.
<b>Week 2</b>	Keep track of the weather this week. How many sunny days? Rainy days? Cloudy days? How many more sunny days than rainy days?	Jump 3 times, once like a bunny, once like a frog, and once like a child. Measure each jump. Which jump was the <b>shortest</b> ? Which jump was the <b>longest</b> ?	Line up 3 different figures or stuffed animals. Record the order. How many different ways can you line them up?	As you walk or ride in the car, try to find all the numbers 0, 1, 2, 3, 4 and 5. How many did you see along the way?	Take a walk with an adult outside. Record how many birds, insects, and mammals (animals with hair and breathe air) that you see.	Help set the table for a meal. How many people are there? How many forks, knives and spoons do you need?
<b>Week 3</b>	Look at a calendar and count how many Fridays are in July and August.	Count 25 objects (Cheerios, raisins, rocks, etc.). Make a pile of 15 from the 25. How many are left after you make your pile?	<b>Estimate</b> (“Make a strategic choice of a number”) how long it takes to put your shoes on. Now time yourself. How long did it take? How close was your estimate?	As you walk or ride in the car, try to find all the numbers 6, 7, 8, 9 and 10. How many did you see along the way?	Tell a story to go with $7 + 1 = \underline{\quad}$ .  Try another one with $12 + 5 = \underline{\quad}$ .	Find an example of a triangle in your bedroom, in your kitchen, outside and in a book. Draw a picture of one (or more) and share with someone.
<b>Week 4</b>	Look in your kitchen cupboards. Find 5 boxes of different sizes (cereal, crackers, ...) Line them up from tallest to shortest.	Take the same boxes from yesterday and line them up from thickest to thinnest. Which box do you think could hold the most? The least?	Count how many steps it takes to get from your room to the kitchen. Then try giant steps. Which took more (regular or giant)? How many more?	As you walk or ride in the car, try to find all the numbers 11, 12, 13, 14, and 15. How many did you see along the way?	Go to a store or a market with an adult. Make a list of all the fruits (or vegetables) you would eat. Sort them by color. Make a graph to show your sorting.	Read a book of your choice. What math ideas did you find?

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**Websites to Explore:**

- [Bedtime Math](http://bedtimemath.org/) (http://bedtimemath.org/)
- [Math Dictionary for Kids](http://www.amathsdictionaryforkids.com) (www.amathsdictionaryforkids.com)
- [Which One Doesn't Belong?](http://wodb.ca/) (http://wodb.ca/)



**August**

<b>Week 1</b>	Find an example of 3 or 4 in your bedroom, in your kitchen, outside and in a book. Draw a picture of one (or more) and share with someone.	What shapes do you see in this picture? Name them.  	Write your first and last name. How many letters in each? How many more/less letters in your first name than in your last name?	Tell someone a story problem for $3 + 2$ . Then try a story to go with $5 - 2$ .	Practice counting backwards from 27. Now try starting at 40.	Try counting by 10s forward and backward. See if you can start from 7 or 9.
<b>Week 2</b>	Find an example of 5 or 6 in your bedroom, in your kitchen, outside and in a book. Draw a picture of one (or more) and share with someone.	Write the words for these numbers.  3, 1, 9, 6, 5, 2, and 10	Make a list of all the shapes you can think of. Go on a scavenger hunt to try to find them.	Look around your house. Identify objects that are the same shape as a sphere, a cone, and a cylinder. Describe them.	Play <b>Count On</b> with a family member. Grab a pile of pennies (small blocks or macaroni, etc.). Count the pennies and stop (such as at 37). Then the person playing with you must count on. Continue stopping and starting until all objects are counted.	Sketch and solve: 10 children were riding a bus home from camp. 4 children got off at the first stop. How many children were left on the bus?
<b>Week 3</b>	Find an example of 7 or 8 in your bedroom, in your kitchen, outside and in a book. Draw a picture of one (or more) and share with someone.	Enter a number on a calculator or microwave, or you may write it down. Read the number aloud. Repeat with 3 different numbers.	True or False? <b><math>2 + 4 = 4 + 2</math></b>  Sketch a picture to explain your thinking.	Look for the pattern. Find the missing numbers.  2, 4, 6, 8, 10, __, __, __ 5, 10, 15, 20, __, __, __ 10, 20, 30,	When you go out, count how many people are wearing shorts and long pants. Compare. Why might that change on another day?	Grab a handful of items (pennies, Cheerios, small rocks). Estimate how many fit in your hand. Now count to see. How did you organize your count?
<b>Week 4</b>	Write your phone number and address. Read them aloud.	Practice skip counting to 100 by 2s, 5s, and 10s.	Estimate how many steps from your front door to the car, bus stop or school (if you walk). Now walk it counting your steps. How close was your estimate?	Make up your own picture problem. Be sure to write the equation.	Play a board game that uses dice or put together a jigsaw puzzle.	Build something with blocks or LEGOs. Decide how many you will use. Tell someone about what you built.