

3rd 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

Week 1	Using a group of different coins, sort the coins into groups of the same kind. How much is in each group. What is the total value of the coins?	One way to make 15 is $8 + 7$. Write 4 other ways to make 15 using addition or subtraction.	A small pack of gum has 5 pieces of gum. How many pieces are in 3 packs? What about in 5 packs? In 7 packs?	Play a board game or put together a puzzle.	Sort the laundry by owner, size, color, or item type. Which family member had the most socks? 	What time did you go to bed last night? What time did you get up this morning? Draw 2 clocks and show these times. How many hours did you sleep?
Week 2	Sue swims in the pool from 1:10 to 1:35. Draw a clock to show the time at which she began to swim.	Using the numbers 63, 18, 30 and 49, tell which two numbers you would add to get the greatest sum. Add them together.	Set out 4 bowls. Put the same number of objects in each bowl. How many objects are in each bowl? Write an addition sentence to show how many objects are in all 4 bowls.	Write the missing numbers on the lines below: 12, 15, 18, 21, __, __, 8, 12, 16, 20, __, __	Make a 3-D shape using mini marshmallows and toothpicks. How many corners (vertices) does your shape have? How many edges?	One way to make 12 is $8 + 4$. Write 4 other ways to make 12 using addition.
Week 3	One way to make 9 is $18 - 9$. Write 4 other ways to make 9 using subtraction.	Look at a July calendar. On what days of the week do the 5th, 13th, 26th and 30th fall?	Make a list of the ages of each family member. Round each age to the nearest ten.	Roll 2 dice and record your numbers. Use the numbers to create a fact family. Write your 4 fact family number sentences and solve.	Add the ages of each of your family members together. What is the sum?	Count the number of forks and spoons in your kitchen. How many do you have in all?
Week 4	Using coins show 2 ways to make 25 cents, 40 cents, 58 cents and 77 cents. Share your ways with an adult.	Identify the rule for each pattern and then continue the pattern: 5, 7, 9, 11, __, __ 75, 80, 85, 90, __, __	Look for a pattern in the times listed below. Complete the pattern by filling in the lines. 2:18, 2:22, 2:26, __, __ _____	Write the numbers below in expanded form. (Ex. $345 = 300 + 40 + 5$) 836, 203, 427, 650	Estimate how many pieces of cereal are in $\frac{1}{4}$ cup. Now estimate how many $\frac{1}{4}$ cups fill your cereal bowl. Check.	Play a board game or put together a puzzle.

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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)
- [Set Game](http://www.setgame.com/) (http://www.setgame.com/)
- [Which One Doesn't Belong?](http://wodb.ca/) (http://wodb.ca/)
- [Fraction Talks](http://www.fractiontalks.com/) (http://www.fractiontalks.com/)



August

Week 1	Write a story problem to go with the expression: $87 + 36 = \underline{\hspace{2cm}}$. Solve the problem and share your story.	Is the number of pets in your house greater than or less than the number of people? Write a number sentence using greater than or less than signs to show this.	Skip count by 2s, 5s, 10s to 150.	Use a ruler to measure the height of 5 things in your house. Arrange them in order from tallest to shortest.	Beat the Clock! List 5 things you could do in 1 minute or less. Try each one. Were you successful?	Make a tally chart of the number of fruits and vegetables you ate today at your meals and for snacks. Did you eat 5 servings?
Week 2	Make a calendar for this week. Record the daily temperature. At the end of the day compare with the weather in Spokane, Washington. What did you notice?	Find four canned food items. Which one do you think is the heaviest? Which one do you think is the lightest? Weigh them (or check the label—don't peek) to find out.	Use coins to count back the change you would get back if you bought candy for 12 cents and paid for it with a quarter.	Name 5 ways to make 30 cents. Draw a picture to show your thinking and write the number sentences.	Look in your refrigerator. Categorize the items as dairy, fruit, vegetable, meat, grains, fats, or other. Make a tally chart.	How many ways can you cut a sandwich into 4 pieces? Try it with real or paper "sandwiches."
Week 3	Estimate how long it will take you to clean your room. Make a prediction, write it down, set the timer and clean. How close were you?	Play a board game with a friend or family member or put together a puzzle.	What time is it now? Write down the time. What time will it be in 30 minutes? What time was it 20 minutes ago?	In New York, it is 3 hours later than it is in Washington State. What time will it be in New York when you eat lunch? When you go to sleep?	Create a symmetrical picture using triangles, squares, rectangles, etc. Draw the line of symmetry	Make a tally chart of the number of fruits and vegetables you ate today at your meals and for snacks. Did you eat 5 servings?
Week 4	Think of a special day you are looking forward to. How many days until that special day? How many weeks? How many months?	Make a list of 2-D shapes (flat, plane) and 3-D shapes (solid). Go on a scavenger hunt to look for those shapes. Bring your list and check off the shapes you find.	Take a $\frac{1}{2}$ cup of Cheerios, macaroni, or crackers and line them up. Estimate how long your line will be? Measure your line using centimeters (cm) and inches (in).	Write all the ways to make 39 using tens and ones. (For example 3 tens and 9 ones, 2 tens and 19 ones, etc.)	If Ann painted 100 fingernails, how many people did she see? If the vet examines 16 dogs, how many paws did she see?	Write all the ways to make 95 using tens and ones.