



Summer Math Students Entering Grade 2 - July

Complete **at least** 12 of the activities below for July. As you complete each activity color in the sun.
Have fun and remember... these activities are optional!



Read – <u>Two of Everything</u> by Judith Lily Toy Hong. What would happen if you put 6 marbles into the magic pot? Don't forget to log your reading too!		The grocer wanted to make a pack of ten apples. How many different ways could he make a ten pack with some red and some yellow apples?	
Find out what coin Thomas Jefferson is on. Find out what bill Thomas Jefferson is on. How many Jefferson coins would it take to equal a Jefferson bill?		Play "Addition War" with a deck of cards. Use the same rules as "War" but turn over 2 cards and add them up. Highest sum wins the round.	
Use sidewalk chalk to draw a creative picture that includes at least 2 rectangles, 2 squares and 2 trapezoids.		Grab a handful of coins and sort them by value. Count how much each group is worth. Challenge: find the total of all the coins.	
Help an adult bake something and help with measuring. What measurements did you use? Cups, teaspoons...		Predict how many socks you own. Now go count them all. Was your prediction close?	
Get active! Have somebody at home time you for one minute doing jumping jacks. Take a short rest and try to break your personal record. Try again next week.		Hiding objects – Take 12 pennies and hide some in each hand. Show 1 hand to somebody and ask them, "How many am I hiding?" Switch jobs.	
Build something out of blocks or boxes. Can you build something taller than you? What shapes are you using?		Gather a collection of coins and try to find as many combinations as you can equal to a quarter.	
Close to 20 - Deal 5 cards to each player. Players choose 3 cards that will get them close to 20 and lay them down. Closest player to 20 wins all the cards for that turn. Deal 3 more cards to start next turn.		Smoot – How many of you lying end to end would it take to measure across your backyard or your bedroom or the playground? Would a taller person get the same answer?	
Roll 2 Add 10 - Roll 2 dice and add 10 to their total. What is the largest number you can get doing this? What is the smallest? What total do you get most often?		I counted 14 fireflies in my yard, some more flew in and I now have 20. How many fireflies flew in? Make up some firefly problems of your own.	
How high can you continue the pattern? $1 + 1 = 2$, $2 + 2 = 4$, $4 + 4 = 8$, $8 + 8 = ?$,		Shape Compare! A square is similar to a _____ because they both have _____.	
Have somebody time you. How long can you balance on your right foot and rub your head without falling? Try clapping your hands instead. Which could you balance longer doing? How much longer?		Read – <u>Duck! Rabbit!</u> by Amy Krause Rosenthal. Show 10 people the picture and ask: "Do you think this is a duck, a rabbit, or something else?" Keep track using tally marks. (Log your reading)	
Choose a domino. Draw the domino on a piece of paper and write a fact family for that domino. Repeat with 4 other dominos.		Use sidewalk chalk to draw an amusement park that includes at least 3 triangles, 3 half-circles, and 4 circles.	
Draw a line with chalk. Then backup, run and jump from the line. Mark where you land. Measure using your feet. See if you can jump further next time.		Start a collection this summer. Sort your collection and keep track of how many items you have. Ideas to collect: shells, rocks, coins...	
Free choice math activities - Did you do some math activities on your own that aren't listed here?		Summer Math Fact Challenge – Practice your math facts for 5 minutes 4 times a week in July.	

My child has completed at least 12 of the activities for July.

Student name: _____ Parent Signature: _____



Summer Math Students Entering Grade 2 - August

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Write a digit in each square so that the sum of each row and column is equal to 10!

5	2	
1	3	
4		

Use sidewalk chalk and write math ideas for people who aren't paying attention to math all around them. "4 tires on this car" or "This driveway is a very large rectangle"

Have somebody time you to see how many bubbles you can blow in 2 minutes. Take a rest and try again. Did you blow more or less?

Roll 3 dice until you get a total of exactly 12. How many rolls did it take? How many different ways can you make 12 with 3 dice?

Build - Use different colored blocks to build anything you want. Once you are finished, count all of the blocks you used.

Read—When a Line Bends A Shape Begins by Rhonda Gowler Green. Make different shapes with a pipe cleaner or piece of string. How many can you make?

Use a clock or watch with an hour and a minute hand to tell time today when you do important things like wake up and eat. Which hand moves faster, hour or minute?

Write the full name of each family member on a piece of paper or with sidewalk chalk. Who has the most letters? Who has the least? What is the difference between the most and the least?

Measure across the biggest room in your house with your feet. Now measure with an adult's feet. Did you get the same answer? Discuss why or why not.

Draw a picture of outer space that includes at least 1 circle, 3 triangles, 4 squares and 4 rectangles.

Estimate how many giant steps it will take to walk around your home. Try it. How far away was the estimate? Try it with kangaroo hops or baby steps.

Play a game you have at home that uses strategy (Connect 4, Memory, etc.) and not a game that just uses luck. Think about your strategy carefully.

What are all the different ways I could share 10 seashells in 2 buckets?

3 friends noticed that their ages added up to 20. What could their ages be?

Use sidewalk chalk to draw a number line from 0-20. Start at any number and see how far you can jump. Shout the math problem that matches your jump. "16 + 3 = 19" "13 - 5 = 8"

Read – One Hunter by Pat Hutchins. How many animals followed the hunter all together? Don't forget to log your reading too!

Turn over two cards to make a number. Write it down. What is 10 more and 10 less than your number? What is 1 more and 1 less than your number? Try again.

Pick 5 boxes from your kitchen and arrange them from tallest to shortest. Now rearrange them from thickest to thinnest. Did the order change?

Be a weatherman this week. Keep track of how many sunny, cloudy or rainy days we have. Use tally marks to keep track of the weather in a week.

Go the Franklin Summer Math website and find a card game to play with somebody. Can you change the rules to make it more challenging?

If A=1, B=2, C=3...How much would your initials be worth? How much would your first name be worth? How about your full name? How about the rest of your family? Whose initials are worth the most?

Use a domino to measure the height (from the bottom to the top) of three books in your house. Use numbers, pictures and words to record your findings.

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