Summer Math Students Entering Grade 1 - July

*Complete **at least** 12 of the activities below for July. As you complete each activity color in the sun.*

Additional information and activities can be found at: https://sites.google.com/a/franklinps.net/math-k-5/home/summer-math

Number Hunt! Look around everywhere you go for numbers. How many times can you find the number 1? How many times can you find your favorite number?	☼	Play "Rock, Paper Scissors" with somebody for 10 rounds. Keep track of how many wins and losses you each have. Play again.	☼
Get 5 pennies and put some in each hand. What are all of the different ways you could hold the pennies? e.g. 4 in left, 1 in right. Try it with a different number of pennies.	☼	Measure ¼ cup of an object you can count such as cereal. How many are there? Can you count a different way that would be easier? 2's, 5's, 10's?	☼
Use sidewalk chalk to write the numbers 1-20 on the sidewalk. Can you go higher? Can you make silly pictures out of your numbers?	☼	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.	☼
During or after a rainy day find a puddle and measure how many steps across it is. Can you jump across without landing in the puddle? Wear your rain boots.	☼	Predict how many pillows are in your house. Now go count them all. Was your prediction close?	☼
Write your full name on a piece of paper. How many letters did you write? Who has the longest name in your family? Who has the shortest?	☼	Have somebody time you for 1 minute. How many jumping jacks can you do? Take a short rest and try again. Which turn did you do more?	☼
Pairs – Take a look around your room, your house, your neighborhood, even yourself for things that come in pairs. Example: eyes, flip-flops	☼	Have everybody in your family, including you, stand in a line. Your job is to arrange everybody from tallest to shortest **without** pointing.	☼
Make at least 3 snakes out of play-dough. What are all the ways you can compare their sizes? *The red one is longer than the blue one but shorter than the green one*	☼	Walk around the outside of your house and count the number of steps. If you took giant steps would you get the same answer? Try it.	☼
Start at 39 and count backwards to 0. When you get to 0 play a board game or card game that uses math.	☼	**Shape Hunt!** Look around everywhere you go today for triangles. How many did you find?	☼
Number Hunt! Look around everywhere you go for numbers. How many times can you find the number 10? How many times can you find your age?	☼	Build something out of blocks or boxes. Can you build something taller than you? What shapes are you using? What shapes are you creating?	☼
Have somebody time you. How long can you balance on your right foot without falling? How long can you balance on your left foot? Which time was longer?	☼	How could you roll 2 dice and get a total of 7? What are all the ways you could get a 7? How about 2? 3? 4? 5? 6? 8? 9? 10? 11? 12?	☼
Read – Ten Flashing Fireflies by Philemon Sturges. How many different ways could 10 fireflies be arranged so some are in the jar and some are in the night sky? Use counters or objects to help you. (Log your reading!)	☼	**Read –** The Very Hungry Caterpillar by Eric Carle. Try to figure out how many pieces of fruit the caterpillar ate before turning into a butterfly. Don't forget to log your reading too!	☼
Help an adult bake something and help with measuring. What measurements did you use? Cups, teaspoons…	☼	**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 1 - August

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License plate math – Next time you are on a car ride look for a license whose digits add up to exactly 10.	☼	**Shape Hunt!** Look around everywhere you go today for circles. How many did you find?	☼
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 bubbles the second time?	☼	Roll 2 dice until you get a total of exactly 12. How many rolls did it take? Could you ever roll a total of 1 with 2 dice?	☼
Grab and estimate - Grab a big handful of something you can count (beans, Legos, crayons) and estimate how many you have. Count to see how close you were.	☼	Choose at least 5 objects and put them in order from lightest to heaviest. Compare the objects. *"The soup can is heavier than the ball but lighter than the chair."*	☼
There are 10 players on a soccer team. Some are boys and some are girls. What are different combinations of girls and boys that could be on the team?	☼	Use sidewalk chalk to draw a make-believe city that includes at least 1 circle, 3 triangles, 4 squares and 4 rectangles.	☼
Measure across the biggest room in your house with <u>your</u> feet. Now measure with an adult's feet. Did you get the same answer? Discuss why or why not.	☼	**Shape Hunt!** Look around everywhere you go today for squares. How many did you find?	☼
How high can you count by 10's? Can you make it to 100? Higher? What comes after 100 when counting by 10's? Hint: not 101 or 200. Can you do it starting at 3?	☼	**Read –** <u>The Enormous Watermelon</u> by Brenda Parkes. How many hands did it take to pull the watermelon home? (Log your reading too!)	☼
The Red Sox and Yankees scored a total of 10 runs in a game. It wasn't a tie so the score wasn't 5 – 5. What could the score be if the Red Sox won? What could the score be if they lost? Could the score be 8 – 3?	☼	**Roll 1 add 10.** Roll 1 dice and add 10 to the number rolled. How many rolls does it take to get each number 11-16? Try again to see if you can do it in fewer rolls.	☼
Take out at least 10 toys and sort them into groups. Explain to somebody how you sorted them. Try to sort them a different way. You can sort by size, color, material, type of toy, etc. Now clean up.	☼	Use a deck of cards. Have a friend or adult flash the cards. Try to count the diamonds, spades, hearts, or clubs in the middle of each card while covering the digit. Repeat and see if you get better.	☼
Shape Hunt! Look around everywhere you go today for 3-D shapes. Did you find any spheres or cubes?	☼	Use sidewalk chalk to write number sentences for the numbers 1 through 10. Ex: 10 = 7 + 3	☼
As you walk or drive in the car, try to find all the numbers 0, 1, 2, 3….in order. How many do you see along the way? How high can you go?	☼	**Read –** <u>Mouse Shapes</u> by Ellen Stoll Walsh. Draw different shapes to make your own big scary creature to scare the cat away. (Log your reading!)	☼
Be a weatherman this week. Keep track of how many sunny, cloudy or rainy days we have. What was the hottest temperature? What was the coldest?	☼	Predict how many bites it will take you to eat one of your meals today before you start eating. Check your prediction.	☼
Do you think there are more windows or doors in your house? Go around your house and count each one. Were you correct?	☼	Trace your foot and cut out the tracing. Find something that measure smaller, bigger, and the same length as **your** foot.	☼
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 August.	☼

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