



# Summer Math Calendar

Going into First Grade



Directions: Follow the daily activities to practice different math concepts. Feel free to extend any of the activities listed. When the work is completed, have a parent initial the box showing that you completed that activity. Give the calendar to your teacher on the first day of school.

Monday	Tuesday	Wednesday	Thursday	Friday																				
Grab a handful of blocks or fruit loop cereal (any fairly large cereal). Estimate how many you have in your hand. Count the objects and write the number.	Count to 100 by 1's and by 10's.	Compare the two numbers. Tell which one is greater. How do you know?  9                      7	Use sidewalk chalk to write all the numbers (in order) that you can. (Use paper and pencil if you do not have chalk).	Today's number is 9. Write equations to show the different ways to make the number 9.																				
Count forward to 120 from the number: 45 57 63 89	Solve the following number sentences: 1+4= 5=2+____ 2+1= 3=4-____ 5-0=____	Walk outside. What shapes do you see? Draw all the shapes you see and label them.	I am thinking of a shape. It has straight sides. It has no square corners. What could it be? Draw all the possibilities.	Describe a measureable attribute of a book. Describe another measureable attribute of the book? What tools may you need to measure the book in the ways you chose?																				
Find a crayon and a pencil. Place both in front of you. Use math language to compare the lengths of the two objects. Explain how you know one is longer/shorter than the other.	Look in your toy box for different solid shapes. Sort the toys by shape and describe the categories. Describe the solid shapes' attributes.	Find the number that makes ten when added to the given number below. Record your equations. 1+____=10                      10=2+____ 10=7+____                      5+5=____ 6+____=10                      ____+6=10	Describe 3 different ways to make 14 cents. Draw your work.	Make a model of a cube using toothpicks and marshmallows/gumdrops. Describe attributes of the cube to a friend or family member.																				
Today's number is 7. Write equations to show the different ways to make 7.	Model the number 13 as ten ones and some more ones using a ten frame.  <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>											Draw a picture by composing at least 3 different shapes. Write a sentence about your picture.	Model 19 as ten ones and some more ones on the ten frame.  <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table> <p style="text-align: center;">Then complete the equation: 19=_____+_____</p>											Write the number that is:  ten ones and 2 more ones  ten ones and 4 more ones  ten ones and 7 more ones

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<p>Make a pattern. Challenge someone to continue it. Can you make a different pattern using the same objects?</p>	<p>Midori has 4 more pinecones than Jon. Jon has 5 pinecones. How many pinecones does Midori have? Show your work.</p>	<p>Sort some of your toys into categories. Explain the categories to a friend or family member.</p>	<p>Draw and label a picture of your family from tallest to shortest. How do you know?</p>	<p>Go to the park and draw the solid shapes you see. Label your picture.</p>
<p>Ricardo and his sister Gloria are each making sandwiches. They have to make 9 altogether. What are all the possible ways they can divide the sandwich making? Write your equations. Which do you think is the fairest? Why? Is it possible for them to make an equal amount of sandwiches? Why or why not?</p>	<p>Ali is building a tower with 3 blocks. Taeyon came along and put some more blocks on. Now there are 7 blocks in Ali's tower. How many blocks did Taeyon put on? Show your work.</p>	<p>How many jumping jacks can you do in one minute? Is it more or less than 20? How do you know?</p>	<p>Count out 7 toy cars/similar small toys. Have a parent/guardian place some in each of their hands and place their hands behind their back. Choose a hand and count the number of toys in that hand. Now tell how many must be in the other hand if there are 6 in all. Continue playing.</p>	<p>Draw a flower pot or multicolor garage (your choice.) Using the number 8, draw different combinations to make 8 using two or three different colors. (i.e, 6 red flowers and 2 blue flowers, or 4 red, 2 blue and 2 yellow).</p>
<p>Describe a shape of your choice by writing (or telling) a riddle. Have a parent/guardian guess. Now switch turns and you guess your parent's riddle.</p>	<p>Mrs. Melnick asked Ted and Katie to place the playground balls in a basket. Ted put 5 balls in. Katie put 4 balls in. How many balls did they put in the basket altogether?</p>	<p>Count the number of windows in your house. Write the number. Now count the number of beds in your house and record the number. Which number is greater</p>	<p>Ask 10 people their favorite kind of pizza. Record your data in a table, chart, or graph.</p>	<p>There are 9 ducks swimming in a pond. Three ducks flew away. How many ducks are swimming in the pond?</p>



# Summer Math Calendar

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Monday	Tuesday	Wednesday	Thursday	Friday
Roll two dice and practice addition and subtraction by adding or subtracting the two numbers. Write the number sentences and solve.	How many ways can you make 25 cents using pennies, nickels, dimes, and quarters?	Jump rope and count by tens to 100. Try counting backwards.	Tell the time that you go to bed to the closest hour or half hour. Draw a picture of the clock's hands for that hour.	Today's number is 12. Make 12 by: adding two numbers, subtracting two numbers, adding three numbers etc.
Blow a marble, a bottle cap and a pencil across a table. Measure how far they go. Which goes the farthest? By how much?	Make a 3-D shape using mini marshmallows and toothpicks. How many corners does your shape have? How many edges?	Draw a number line and solve the word problem below: Keira was 6 years old when she lost her first tooth. Now she is 3 years older. How old is Keira now?	Model the number 47 by drawing base ten blocks. Then draw the number that is ten more and ten less than 47.	Make a tally chart by collecting data on something of your choice (ie., how many doors, windows and beds in your house, how many family members like chocolate, vanilla or strawberry ice cream etc.)
Use your tally chart from Friday's activity and make a pictograph of your data. Be sure to add a title, labels and a key!	Write your own word/story problem and have a parent or guardian solve it. Then have your parent/guardian write you a word problem and now you solve it!	Roll 2 die and record your numbers. Use the numbers to create a fact family. Write your 4 fact family number sentences and solve.	Have a parent time how long it takes you to find the unknown in the 8 number sentences below. $\_\_ + 7 = 12$ $9 = \_\_ - 4$ $3 = 10 - \_\_$ $\_\_ = 17 - 9$ $15 = \_\_ + \_\_$ $11 - \_\_ = 6$ $7 + \_\_ = 14$ $\_\_ = 6 + 9$	Choose an appropriate strategy to solve the following problems (i.e., add tens and tens and ones and ones, number line, drawing concrete models. $\_\_ = 26 + 50$ $56 + 8 = \_\_$ $70 - 30 = \_\_$ $36 + 7 = \_\_$
Look at the clock at 4 different times throughout the day and record the time. (to the hour and half hour) Remember to use am or pm!	Have a parent/guardian draw a picture of a clock (to the hour or half hour) and write the time. Read the time aloud using vocabulary such as (half past or o'clock).	Draw a picture by composing at least 3 different shapes. Write a sentence about your picture.	Partition a circle into halves and then fourths. Explain to a family member what happens to the shares when you partition them from halves to fourths.	Write a two digit number on paper. Mentally find the number that is 10 more and 10 less than your number.

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Choose three objects from your home (i.e., pencil, glue bottle, marker). Order the three objects and use math words to express the length of these objects (i.e. the marker is longer than the pencil.)	Choose two different two digit numbers and record them on paper. Compare these numbers by using math symbols.	Pat made a cake for his sister's birthday. He cut the cake into 4 equal pieces. He gave one piece to his sister. Draw a picture of how Pat may have cut the cake.	Write two different addends that make a sum of 14. Now write four number sentences to complete the fact family.	I am thinking of a shape. It has straight sides. It has no square corners. What shapes could it be? Draw all the possibilities and describe the shapes to a family member.
Have a parent time how long it takes you to find the unknown in the 8 number sentences below. $\_\_ + 6 = 13$ $10 = \_\_ - 4$ $4 = 10 - \_\_$ $\_\_ = 17 - 9$ $17 = \_\_ + \_\_$ $17 - \_\_ = 6$ $9 + \_\_ = 14$ $\_\_ = 4 + 9$	Hold an ice cube in your hand. Count by 2's until it melts. Did you count to more or less than 100?!	Sit outside and use tally marks to record how many birds you see in ten minutes. Use the total to make 4 different number sentences. (i.e, 12 birds; $7+5=12$ , $8+4=12$ , $12=6+6$ , $12=10+2$ )	Go to the park and draw the solid shapes you see. Label your picture.	Use a ruler to measure the length of something in inches. Would this measurement change if you measured in centimeters? Explain.
Describe a shape of your choice by writing (or telling) a riddle. Have a parent/guardian guess. Now switch turns and you guess your parent's riddle.	Mina had 15 flowers. She gave some to her mother. Now Mina has 6 flowers. How many flowers did Mina give to her mother? Write a number sentence and solve.	Have a parent/guardian time how long it takes you to solve the following problems. $3+4=$ $3+3=$ $8-3=$ $7-6=$ $10-6=$ $9-7=$ $5+3=$ $7+3=$ $8-1=$ $9-2=$	Ask 10 people their favorite kind of pizza. Record your data in a table, chart, or graph.	Will your bed fit through your door? Explain to a parent/guardian how you can use a third object to figure this out.