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. ☐☐☐☐☐ ☐☐☐☐☐	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. ☐☐☐☐☐ ☐☐☐☐☐ Then complete the equation: 19=_____+_____	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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Monday	Tuesday	Wednesday	Thursday	Friday
Make a pattern. Challenge someone to continue it. Can you make a different pattern using the same objects?	Midori has 4 more pinecones than Jon. Jon has 5 pinecones. How many pinecones does Midori have? Show your work.	Sort some of your toys into categories. Explain the categories to a friend or family member.	Draw and label a picture of your family from tallest to shortest. How do you know?	Go to the park and draw the solid shapes you see. Label your picture.
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?	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.	How many jumping jacks can you do in one minute? Is it more or less than 20? How do you know?	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.	Draw a flower pot or multicar 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).
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.	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?	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	Ask 10 people their favorite kind of pizza. Record your data in a table, chart, or graph.	There are 9 ducks swimming in a pond. Three ducks flew away. How many ducks are swimming in the pond?

Summer Math Calendar

Going into **Second 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
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.

Name: _____

Summer Math Calendar

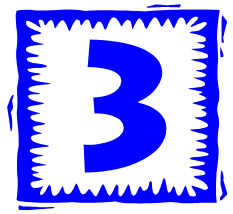
Going into **Second Grade**

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
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.

Summer Math Calendar

Going into **Third 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.

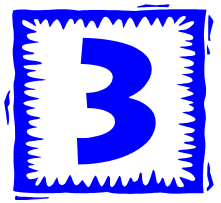
Monday	Tuesday	Wednesday	Thursday	Friday
What time did you go to bed last night? What time did you get up this morning? Draw 2 clocks and show these times. How many hours did you sleep?	Sue swims in the pool from 1: 10 to 1: 35. Draw a clock to show the time at which she began to swim.	Using the numbers 63, 18, 30, 49, tell which two numbers you would add to get the greatest sum. Add them together.	Name 3 activities that you did yesterday. What time did you do each activity? Draw a picture of each activity and write a. m. or p. m. for each activity.	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, ___, ___,___ 8, 12, 16, ___, ___,___	One way to make 12 is 8 + 4. Write 4 other addition facts for 12.	Using a group of different coins, sort the coins into groups of the same kind. How much is in each group?	One way to make 9 is 18 - 9. Write 4 other subtraction sentences that have an answer of 9.	Look at a calendar. On what days of the week do the 5th, 13th, 26th and 30th fall?
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?	One way to make 15 is 8 + 7. Write 4 other ways to make 15.	Using coins show 2 ways to make 25 cents, 40 cents, 38 cents, and 78 cents.	Identify the rule for each pattern and then continue the pattern: 5, 7, 9, 13, _____, _____ 75, 80, 85, 90, ___, _____
Make a list of the ages of each family member. Round each family member's age to the nearest ten.	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	Gather five different boxes of food such as rice or cereal. Measure the height of each box in inches. Which box is the tallest? Which box is the shortest?	Cut out coupons showing 50 cents or less.

Name _____

C. Schoenfelder

Summer Math Calendar

Going into **Third 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
Write all the addition sentences that have an answer of 9. Now write all the addition facts that have an answer of 10.	List the ages of each family member. Use these numbers to write as many number sentences as possible using the greater than and less than signs.	Solve the problems below and then draw a picture to match each number sentence. 18 + 2 6 = 29 + 17 =	Solve the problems below and make up a story for each problem. 13 - 5 = 15 - 8 =	Is the number of pets in your house greater or less than the number of people? Write a number sentence using greater than or less than sign to show this.
Skip count by 2's, 5's, 10's to 100. Write each pattern on a piece of paper.	Use a ruler to measure 5 things in your house. Arrange them in order from tallest to shortest.	Tell how many tens are in each number below. 63, 48, 18, 95, 30.	Write each number below in expanded form. (Ex. 234 =200 + 30 +4) 572, 386, 104, 840, 581	Add: 38 + 67 = 75 + 13 = 17 + 36 =
Subtract: 85 – 35 = _____ 54 – 39 = _____ 78 – 31 = _____	Use paper clips to measure a pencil, pen, and book. Draw a picture of the items from shortest to longest.	Draw three shapes. Color 1/ 4 of each shape red.	Use coins to count back the change you would get if you bought candy for 12 cents and paid for it with a quarter.	Find four canned food items. Which one do you think is the lightest? Which one do you think is the heaviest? Weigh them to find out.

C. Schoenfelder

Summer Math Calendar

Going into **Fourth 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
Buy a small bag of M & M's. Pour them into a jar. Estimate how many M & M's are in the jar. Count the candy to see how close you are.	Look at advertisements for cars in the newspaper. Choose a car you like and round the price to the nearest thousand.	Using a restaurant menu, have each family member decide what he/she would order. Find the total cost of all the meals they chose.	Write the multiplication and division fact families for the following sets of numbers: 3, 5, and 15 4, 6, and 24 2, 9, and 18	Draw two cards from a deck of cards (number cards only). Find the sum and difference of the cards. Repeat this 10 times
Measure your height in inches. Measure the height of a parent. Write and solve an equation to determine how much taller your parent is than you.	Create a time line for yesterday beginning at the time at which you woke up and ending at the time you went to bed. Include at least 8 events on your time line.	Gather 4 different boxes of food such as rice or cereal. Measure the width of each box in inches and centimeters. Which box is the thinnest? Which box is the widest?	Estimate the weight of a handful of coins. Weigh them to find their actual weight and calculate the difference between your estimate and the actual weight. Repeat this with other items.	Go to the store with a parent. Record the time you arrive and the time you leave. How much time did you spend in the store?
Determine what time it is now. What time will it be in one half hour from now? Forty- five minutes from now?	Survey 10 people and ask them what their favorite animal is. Create a bar graph to show your results.	Roll two dice. Multiply the two numbers rolled and write an equation to show this. Repeat this 10 times.	Flip a coin 10 times. Record how many times it landed on heads and tails. Multiply those two numbers together. Now have a friend do the same. Repeat this 4 times. The person with the highest product wins.	What is the greatest and the least number you can make using the digits 1, 4, 8, 2, 3 and 7? You may use each digit only once in a number.
Make a list (with products up to 100) of all the multiplication facts that are doubles (ex. 1 x 1= 1).	Take turns rolling 3 dice with a partner. After each turn find the product of the 3 numbers. Record your products and add them together after each turn. The first person to reach 500 wins.	Write an equation showing how 12 cookies could be shared between 2, 3, 4, and 6 children.	See how many different ways you can divide 20 colored pencils or crayons equally. Write a division equation for each way you find.	Count the number of windows and doors in your home. Determine if these numbers are odd or even.

Name _____

C. Schoenfelder

Summer Math Calendar

Going into **Fourth 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
Find the mean of the number of pages of your 3 favorite chapter books. (Hint: find the total number of pages and divide by the number of books.)	Count out fifty cards from a deck. See how many different ways you can divide them into equal groups. Write your division sentences on paper.	Have a multiplication bee with another family member using flash cards.	Roll two dice. Write the four multiplication and division fact family sentences that include these two numbers.	Weigh yourself on the scale. Multiply the number of pounds by your age.
Draw two shapes below. Color $\frac{1}{2}$ of each shape red. Color $\frac{1}{4}$ of each shape blue.	Find 10 items in your house that are less than one foot long. Estimate how many inches long each item is. Measure the items and find the difference between your estimates and the actual lengths of the items.	Go outside and gather as many rocks or pebbles as you can in 10 minutes. Count how many you have and multiply this number by 6 to see how many rocks you could gather in one hour (60 minutes).	Look in the newspaper to find out how many minutes long a movie you would like to see is. Multiply the number of minutes by 2. Determine how many hours and minutes this is.	Count the number of letters in each family member's names. Find the mean of these numbers by adding these numbers together and dividing by the number of names you used.
If your family ordered two pizzas for dinner and each pizza had 8 slices in it, how many pieces of pizza would each of your family members be able to have (they each must have the same number of pieces). What could you do with any left over pieces?	Using a small bag of pretzels, lay the pretzels out in even rows. (You may eat any leftovers.) Divide the total number of pretzels by the number of rows. Repeat this several times by making a different number of even rows.	Find a chapter book you want to read. If you were to read this book in exactly one week, how many pages would you have to read each day, if you read the same number of pages each day? Start reading the book today and see if you can finish it within seven days.	Count the money in your piggy bank or gather a handful of coins and determine the value. If you had to spend all of it within 5 days, how much money would you have to spend each day? (You must spend the same amount of money each day.)	Find out what the running speed in miles per hour of seven different animals is. Determine the median of these numbers. (Hint: list the speeds from least to greatest and find the number that is in the middle of the list.) Repeat this with other types of information.

C. Schoenfelder

Summer Math Calendar

Going into **Fifth 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
Using a restaurant menu or newspaper advertisement, choose an appetizer, salad and main dish. Find the total of your meal.	Find a chart or graph in the newspaper. Find the range of the numbers for the information that was graphed.	Gather 5 chapter books. Determine how many pages are in each book. Find the mean, median, and mode of these numbers.	Figure your age in months. Figure out how many days old you are. Don't forget leap years!	Figure out how many days old you are. Don't forget leap years!
Gather three store receipts. Find the total amount that was spent not counting the tax.	Make five triangles using ten toothpicks.	Survey five people to find their favorite outdoor activity. Graph the results.	List at least 24 different combinations of coins that equal $1.00. (There are 294 ways!)	Use a magazine to find three pictures that have at least one line of symmetry.
Calculate the average age of the people that live in your house. How would the average change if your grandmother lived with you and she was 90 years old?	Measure the length and width of your bedroom. Multiply to find the area. Be sure to label your answer with the correct unit of measurement.	Gather 5 different size boxes. Measure their height and width in inches and centimeters. Order the heights from smallest to largest. Do the same for the widths.	Using a deck of cards, take two cards at a time and multiply the numbers. (Let a Jack = 11, a Queen = 10, a King = 0, and an Ace = 1.) Write the multiplication equation for each pair of cards. Repeat this until all the cards have been used	Do jumping jacks for one minute and count how many you were able to do. Do sit ups for 15 seconds and count how many you were able to do. Divide the number of jumping jacks you did by the number of sit ups you did.
Find four numbers that are larger than 1,000 in a newspaper. Put them in order from least to greatest and then order them from greatest to least.	Use outdoor chalk to draw a hexagon, pentagon, and octagon on the driveway or sidewalk . Now see if you can find a line of symmetry for each.	Using an eyedropper, drop water onto different size coins. Count the number of drops you can put on each coin before water begins to spill off. Graph your results using a bar graph.	Empty out a small bag of different colored candy. Express the amount of each color of candy as a fraction. (Hint: the number of pieces of candy of each color to the total number of candies.)	Write down the names and prices of five cars you find in the newspaper. Order the prices from least to greatest. Round the price of each car to the nearest thousand.

C. Schoenfelder

Summer Math Calendar

Going into **Fifth 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
Roll two dice or number cubes. Total the numbers. Multiply that number by 4. Repeat this 5 times.	Flip a coin 25 times. Write a fraction to show how many times it came up heads and one to show how many times it came up tails.	Change the fractions you wrote yesterday to decimals. Add the fractions together and change the answer to a decimal.	Find all the different ways you can divide a deck of cards into equal amounts with no cards left over. Write division sentences to show the different ways you found.	If you get up at 7: 30 a.m. and need to be at your friend's house at 8:15 a.m., how much time do you have to get ready if it takes you ten minutes to walk there?
Use a ruler to draw a 3cm by 4cm rectangle. Then find its perimeter. Now find its area. Be sure to label your answers. Now find the area and perimeter of a square that has sides that are 5 inches long.	Use the numbers 4, 5, 3, and 2 and any operations (addition, subtraction, multiplication, division) to create at least 10 problems that all have different answers.	Write two different number sentences that are equal to 48. Each number sentence must contain the four operations (addition, subtraction, multiplication, and division).	A cantaloupe weighs 56 ounces. There are 16 ounces in a pound. How many pounds does the cantaloupe weight?	There are four cups in one quart and 4 quarts in a gallon. How many cups are there in 4 gallons of fruit punch? How many pints is this?
Linda is going to have new flooring put in her bedroom. If her bedroom is 8 feet by 10 feet, how many square feet of flooring will be needed? What is the area and perimeter of Linda's bedroom?	Ben has 6 square tiles. Each tile has a width of 8 inches. He lays the tiles down in a long row. What is the perimeter of the row of tiles?	Name some capital letters that when printed have at least one pair of parallel lines. Did you find any that have two pair of parallel lines?	Evan can paint 18 pots in one hour. His brother can paint 4 fewer pots per hour than he paints. How many pots can they paint in 3 hours, 30 minutes?	Tyler sent a package with one 60 cent stamp, four 32 cent stamps, three 25 cent stamps, and four one cent stamps. What was the total postage on the package?

C. Schoenfelder