MINNEHAHA ACADEMY

MA Summer Math Calendar
1st through 5th grade

Just as students benefit from reading throughout the summer, it is also beneficial for them to engage in math activities. Research shows that students better maintain and strengthen their math skills through regular and meaningful practice. We have created this summer math calendar to provide your child and your family with a variety of math activities to explore this summer. The goal is for your child to have fun thinking and working collaboratively to communicate mathematical ideas. The activities reflect a range of difficulty with the intent that your child can choose the activities that are at a "just right" level. While working on these activities, ask your child how he found a solution or why she chose a particular strategy. This packet consists of 2 calendar pages and an alternate summer math calendar that allows you to fill in your own activities. Each month's activities are organized into 28 "math boxes." You can choose which activities you and your child would like to complete on whichever day you want. We encourage your child to complete 20 boxes per month, coloring in each box as it is completed. We recommend that you integrate an average of 10-20 minutes of math activities into your child's day, by completing these activities and reviewing basic facts. Return the signed calendars to your child's new teacher in the fall. We hope that you enjoy the activities, extend them, create new ones, and have fun!

Happy summer, happy math,
Mrs. Schmitz

RESOURCES:

Singapore Math Practice:
We recommend the app **Sumdog**, a fun and free Singapore based learning engine that adapts its questions quickly to each student's ability.

Fact Fluency Practice:
Fact Fluency is a key component of overall math competency. Short, frequent fact practice will result in improved confidence and achievement. We recommend 10 minutes daily. Here are some great online resources:
K-1st
- **10 Frame Fill** (free app) 10 Frame Fill provides children practice with recognizing additive 10 families.

2nd-3nd
- **Math Playground** (web)
http://www.mathplayground.com This website is full of fantastic math fact games

4th-5th
- **Reflex: https://www.reflexmath.com/**

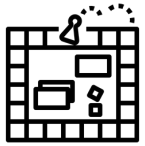
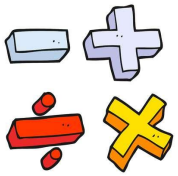
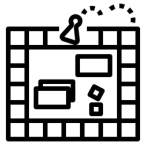
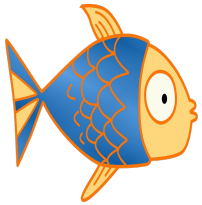
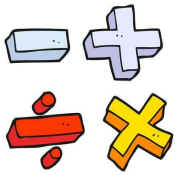
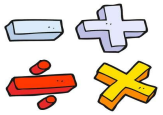
ADDITIONAL RESOURCES:

Websites/Apps:
http://illuminations.nctm.org
https://www.youcubed.org/tasks/
https://www.prodigygame.com/
https://www.mathlearningcenter.org/resources/apps
https://www.freckle.com/math/
https://www.khanacademy.org
https://www.kenkenpuzzle.com
https://noetic-learning.com/summermath/index.jsp - ($24.95)

Summer Math Calendar - 1st

Student Name _____

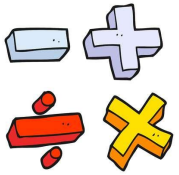
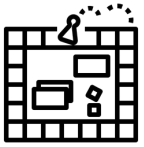
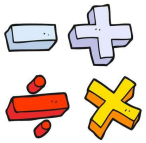
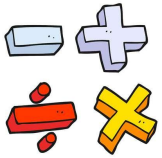
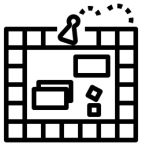
Parent Signature _____

Play a math game. 	There are 3 ducks swimming in the lake, 4 more ducks join them. How many ducks are in the lake now? Draw a picture!	Practice your math facts. 	Look in your bedroom. Find 10 different toys. Line them up from tallest to shortest. Which one is in the middle? How do you know?	Write your first and last name. How many letters are there in all? Do you have a middle name? How many letters are in all 3 names.	Count by 5's to 50. Count by 10's to 100. Count by 2's to 20.	Take a walk outside. Count how many insects, birds, and animals you see. Draw a picture.
Go to a math website. 	Read a math book. 	Practice counting on from numbers other than one. Can you start at 4 and count to 20? How about start at 17 and count to 50?	Play a game like basketball, mini-golf, or soccer. Who had the most points? By how much?	Play a math game 	Play Ten Frame http://illuminations.nctm.org 	Using sidewalk chalk make a pattern with some shapes that you know. Ask someone to see if they can tell you the pattern!
Play "number bond" go fish. 	Put these numbers in order from least to greatest: 71, 24, 17, 42	Mr. Nelson loves books. He has 9 favorite books. Mrs. Besser has 4 favorite books. How many more favorite books does Mr. Nelson have?	Read a math book. 	Write a number bond to represent the people in your family. Can you do it a different way?	Practice your math facts. 	There were 6 ladybugs on the swingset and 3 on the slide. How many lady bugs were there altogether?
Read a math book. 	Practice your math facts. 	Go to a math website. 	Play a math game 	Count backwards starting at 47 all the way to 29. Now count backwards from 29 to 1!	Go to a math website. 	Make a yummy summer treat with an adult. Write down the recipe and share it with Mrs. Schmitz!

Summer Math Calendar - 1st

Student Name _____

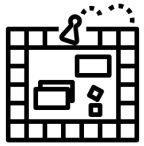
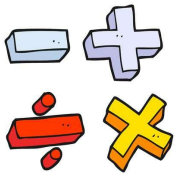
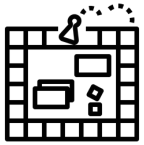
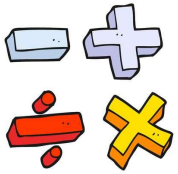
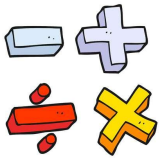
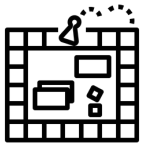
Parent Signature _____

Play a math game. 	Count 100 objects (example: Cheerios, raisins, rocks). How many ways can you group your objects? (By 2's, 5's, and 10's...)	Practice your math facts. 	Jump 3 times: once like a bunny, once like a frog, and once like a child. Measure each jump. Which jump was the shortest? Longest?	Take 5 coins. What is the total value of the coins you have? Do this 5 times.	Look in your kitchen. Find 5 boxes of different sizes in your kitchen. Line them up from tallest to shortest. Now line them up from thickest to thinnest.	Count how many steps it takes you to get from your room to the kitchen. Try giant steps. How many more regular steps did it take?
Go to a math website. 	Read a math book. 	Count by 10's to 100. Then count by 1's to 100. Which took longer?	Tell a friend a story problem to go with 3 + 2. Then try a story to go with 5 - 2.	Play a math game 	Go to a math website. 	Write numbers 0-20 on a piece of paper.
If I have 3 dogs and my friend has 2 dogs. How many dogs do we have altogether? Draw a picture.	Roll 2 dice. Add the 2 numbers together and write a number sentence. Play this 10 times.	If I have 6 pieces of candy and I gave my friends 4 of them, how many pieces of candy do I have left?	Read a math book. 	Look at a calendar. How many days are left until school begins? How many weeks?	Practice your math facts. 	When you go out, count how many people are wearing shorts versus long pants and compare. Why might that change on another day?
Read a math book. 	Practice your 	Go to a math website. 	Play a math game 	If I have 7 books, how many more books do I need to get to 10 books? Draw a picture.	Go to a math website. 	How many different ways can you add two numbers together to make 10?

Summer Math Calendar - 2nd

Student Name _____

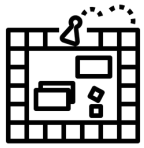
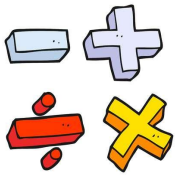
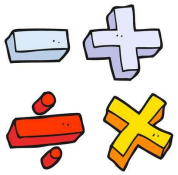
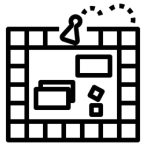
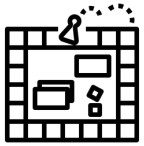
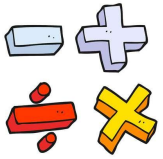
Parent Signature _____

Play a math game. 	Tell an adult an addition story problem to go with 6+5. Now tell a subtraction story for 11-5. Make up other addition and subtraction story problems.	Practice your math facts. 	Make a list of 10 things that you see that are rectangles. Make a list 10 things you see that are circles. Was it easier to find the rectangles or circles? Why?	Create your own story problem. Have someone else solve it.	Play a hiding game. Get 7 pennies. Put some in 1 hand and some in the other hand. Show 1 hand, and have the adult figure out what's hiding. Switch roles. Play 10x.	If I go to the store and get 4 bananas and 7 apples, how many pieces of fruit do I have altogether. Write a number sentence.
Go to a math website. 	Read a math book. 	Skip count by 10's from 16 to 136. Skip count by 5's from 30 to 125. Skip count by 2's from 10 to 50.	Listen to the whole story before answering: I had 4 shells. I got 2 more. I got 3 more. I lost 2. How many do I have? Make and solve other problems.	Play a math game 	Go to a math website. 	Roll 2 dice together and add to find the sum. Record the sum. Do this 20 times. What sum did you get the most often? Why?
If you have 3 books but you want to have 10, how many more books do you need? Write a number sentence to solve the problem.	How many different ways can you add two numbers to make 10? Write the number sentences.	Use the symbols >,<, and = to complete the number sentence: 35 ◯ 52 42 ◯ 14 72 ◯ 32	Read a math book. 	Skip count with a parent by 2's, 5's, and 10's. Stop at 100. Write about which number was the easiest to count by.	Practice your math facts. 	Make a list of 2-D and 3-D shapes. Go on a scavenger hunt to look for those shapes. Bring your list and check off the shapes you find.
Read a math book. 	Practice your math facts. 	Go to a math website. 	Play a math game 	Find 10 more and ten less than 34, 67, and 25.	Go to a math website. 	Write numbers 1-120 on a piece of paper.

Summer Math Calendar - 2nd

Student Name _____

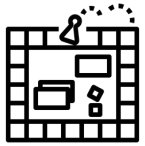
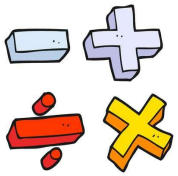
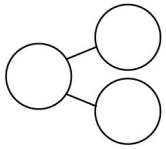
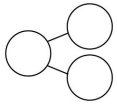
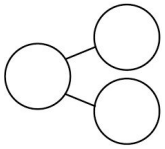
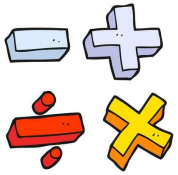
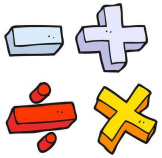
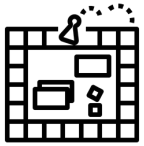
Parent Signature _____

Play a math game. 	Count by 2's to 50 starting at 12. Count by 10's to 64, starting at 4. What did you notice about the numbers you say?	Practice your math facts. 	A small pack of gum has 6 pieces. How many pieces of gum are in 3 packs? What about in 5 packs? What if each pack had 7? 8?	Go to a math website. . 	If a person has 2 pairs of shoes, how many individual shoes do they have? What if they have 3 pairs? How about 5 pairs?	Practice your math facts. 
Go to a math website. 	Read a math book. 	Find 10 more and 10 less than 67, 23, and 84.	How many seconds does the traffic light stay green? Red? How much longer is 1 light than the other?	Play a math game 	Go to a math website. 	Play Adding 10. Roll a die. Add 10 to the number rolled. Record your number sentence. Repeat 10 times..
Get a pile of coins. How many ways can you make 25 cents using pennies, nickels and dimes?	Go to a math website. 	How many books are on 1 shelf? First, make an estimate. Then count them by 2's. How close was your estimate?	Read a math book. 	Today I walked 6 blocks. Yesterday I walked 10 blocks. How many more blocks did I walk yesterday?	Write your own story problem and have someone solve it!	Use the symbols >,<, and = to complete the number sentence: 21 ◯ 19 23 ◯ 32 61 ◯ 61
Read a math book. 	If I have 3 pencils but I want 12, how many more pencils do I need? Write a number sentence to go along with your answer.	Play Adding 10. Roll a die. Add 10 to the number rolled. Record your number sentence. Repeat 10 times.	Play a math game 	Write about one time you had to use math in your everyday life. (ie going to the grocery store and counting money)	Practice your math facts. 	Count backwards from 30 to 0. Count backwards by 10's from 80 to 0. Count backwards by 5's from 40 to 0.

Summer Math Calendar - 3rd

Student Name _____

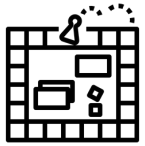
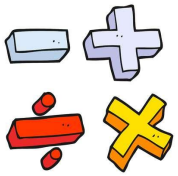
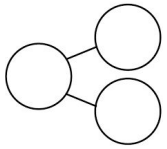
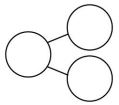
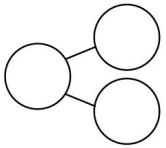
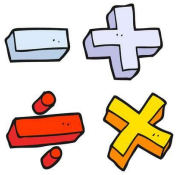
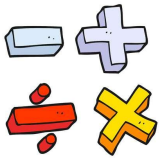
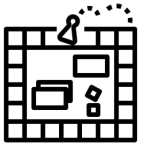
Parent Signature _____

Play a math game. 	I am thinking of an odd number. It is between 33 and 40. You say it when you skip count by 5's. What number am I?	Practice your math facts. 	Write down ten numbers between 11-99. Add 10 to each number. Write the number sentences.	Play 10 questions. One person thinks of a number between 1 and 100. The other person asks 10 yes/no questions to figure out the number. (ie is it odd?)	Think of a day you look forward to. How many days until then? How many weeks?	Make 3 addition number bonds that equal 15. 
Go to a math website. 	Read a math book. 	Set the table for dinner. How many utensils would you need for 6 plates? How many for 8 plates? How many for 10?	Write three number bonds that have the number 7 in them. 	Play a math game 	Go to a math website. 	Make 78 cents three different ways using quarters, dimes, nickels, and pennies.
How much do I have if I have 3 quarters, 2 dimes, 1 nickel, and 1 penny? Can you show the same value with less coins?	Make 3 addition number bonds that equal 8. 	What time is it now? What time will it be in 30 minutes? What time was it 60 minutes ago?	Read a math book. 	Play 10 questions. One person thinks of a number between 1 and 100. The other person asks 10 yes/no questions to figure out the number. (ie is it odd?)	Practice your math facts. 	Write down two addition and two subtraction number sentences for the fact family of 5, 7, and 12.
Read a math book. 	Practice your math facts. 	Go to a math website. 	Play a math game 	Make 94 cents three different ways using quarters, dimes, nickels, and pennies.	Go to a math website. 	Look at an analog clock. How many minutes until the next hour?

Summer Math Calendar - 3rd

Student Name _____

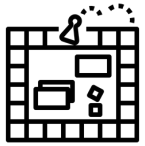
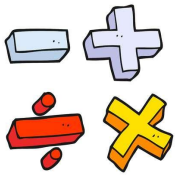
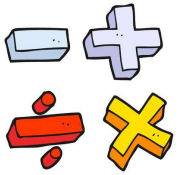
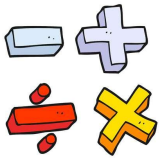
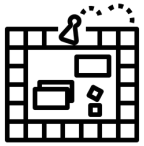
Parent Signature _____

Play a math game. 	Write 3 word problems and have a family member or friend solve them. Did they understand the problems you wrote?	Practice your math facts. 	Look in your refrigerator. Categorize the items as dairy, fruit, vegetable, meat, grains, fats, or other. Make a tally chart.	Write down ten numbers between 11-99. Subtract 10 from each number. Write the number sentences.	Draw a circle and divide it into 2 equal pieces. Can you divide it into 4 equal pieces? Can you cut it into any other equal pieces?	Make 3 addition number bonds that equal 10. 
Go to a math website. 	Read a math book. 	How many times can you hop on your left foot in a minute? Your right foot? Compare the number of hops using the symbols <, >, or =. What's the difference?	Write 3 number bonds that have the number 5 in them. 	Play a math game 	Go to a math website. 	Record the time three different times in one day. Write down what you did at that time and how long you did each activity.
Find 10 things in your house to measure with a ruler. Which item was the biggest? Which was the smallest? What was the difference between them?	Make 3 addition number bonds that equal 21. 	Roll a die and use the numbers to make a two different 3 digit numbers. Which number is bigger? Say the numbers out loud to an adult.	Read a math book. 	Name 3 ways to make 45 cents. Draw coins and write about the different combinations.	Practice your 	I have 7 books but I want 25. What do I do? Write about how I would solve that problem.
Read a math book. 	Practice your math facts. 	Go to a math website. 	Play a math game 	Write 345, 289, and 521 in expanded and standard form.	Go to a math website. 	Roll a die 15 times. Record if the number is even or odd. Did even or odd get rolled more times? How many more?

Summer Math Calendar -4th

Student Name _____

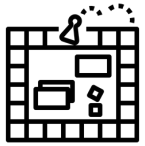
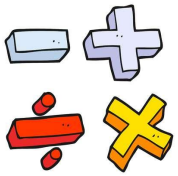
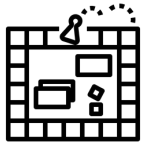
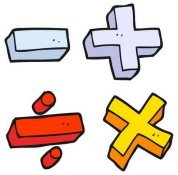
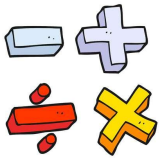
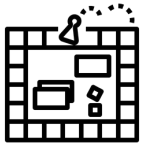
Parent Signature _____

Play a math game 	How many quarters can you have if you have $3.25? How many nickels?	Practice your math facts. 	List all the factors of 36: List all the factors of 48. What are the common factors?	Play 10 questions. One person thinks of a number between 1 and 100. The other person asks 10 yes/no questions to figure out the number. (ie is it odd?)	Think of a day you look forward to. How many days until then? How many weeks?	Find a box. Measure the perimeter. Find the area of the top and one of the sides.
Go to a math website. 	Read a math book. 	If Ms. Schmitz painted 400 fingernails, how many people's nails did she paint?	Draw a number line 0-2. Label the following fractions: ¼, ½, 1¾	Play a math game 	Go to a math website. 	Pick a 2 digit number, multiply it by 10. Subtract from the original number. Is this divisible by 9? Try this 4 more times.
Find 4 ways to divide 100 into equal groups.	30 people are eating lunch together and want to share sandwiches. If they each ¼ of a sandwich, how many should be ordered? Will there be any left over?	What time is it now? What time will it be in 45 minutes? What time was it 90 minutes ago?	Read a math book. 	Mr. Nelson made a grid of 16 squares. How many squares should he color if he wants to color ½, ¼. ⅛?	Practice your math facts. 	Draw a rectangle that has a perimeter of 20 units, find the area.
Read a math book. 	Practice your math facts. 	What number am I? I am less than 25 x 10 and greater than 22 x 10.I am a multiple of 5 and am odd. The sum of my digits is 10.	Play a math game 	Subtract: 7009 - 567 How do you know your answer is correct?	Go to a math website. 	Look at an analog clock. How many minutes until the next hour?

Summer Math Calendar - 4th

Student Name _____

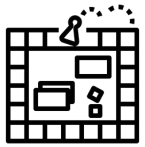
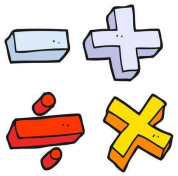
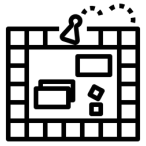
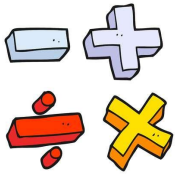
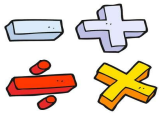
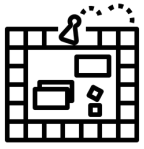
Parent Signature _____

Play a math game. 	Find an object that is a rectangular prism. How many faces, vertices and edges does it have? Make a list of all the rectangular prisms you see.	Practice your math facts. 	Subtract: 3450 - 1789 Check your answer! Does it make sense?	Draw an array that represents 8 x 7 What is the answer?	Round 3786 to the nearest hundred? Ten? How does the number change?	Draw a number line 0-3. Plot these fractions on the number line: ⅓, 1 ⅔., 2 2/3,
Go to a math website. 	Read a math book. 	Divide: 56 ./. 8 Can you draw a picture to show your thinking?	Is ½ the same thing as 2/4? What about 4/6 & ⅔? Explain your thinking to someone!	Play a math game 	Go to a math website. 	Compare these fractions: ¾ is greater than, ,less than or equal to ½ ?
Create a graph about favorite summer activities. Collect data from at least 6 people. What were your findings?	Draw a pair of parallel lines, Draw perpendicular lines. Draw intersecting lines. Label them!	Find the area of a rectangle with whole number side lengths. Show that the area is the same as would be found By multiplying the side lengths.	Read a math book. 	Multiply: 453 X 25	Practice your math facts. 	I am more than the perimeter of a square with a side of 25. I am an odd number. I am less than 70 + 33 Who am I?
Read a math book. 	Practice your math facts. 	Go to a math website. 	Play a math game 	I am a 2-digit number. I am between 6 x 8 and 11 x 5. The sum of my digits is 6. What am I?	Go to a math website. 	When rounded to the nearest thousand I become 3,000. What numbers could i be?

Summer Math Calendar - 5th

Student Name _____

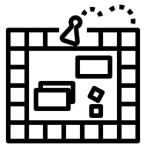
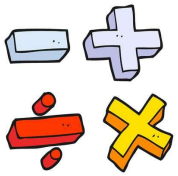
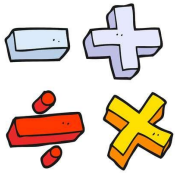
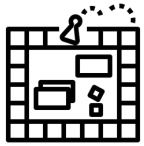
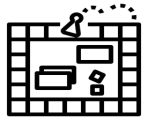
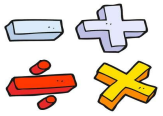
Parent Signature _____

Play a math game. 	FInd the perimeter of your bedroom. You are going to re-carpet your room and need to figure out the area. What is the area?	Practice your math facts. 	Mr. C is buying a rug for his classroom. The rug's length is 8 yards, 2 feet and 4 inches long. The rug's width is ¼ of its length. What is the perimeter of the rug?	Play 10 questions. One person thinks of a number between 1 and 1000. The other person asks 10 yes/no questions to figure out the number.	Think of a day you look forward to. How many days until then? How many weeks? Can you figure out how many hours?	In a science lab, there are 7 beakers that each contain 40 ounces of liquid. There are 9 other beakers with 30 ounces of liquid. How much liquid is there in all?
Go to a math website. 	Read a math book. 	A package of gum has 20 sticks. If you buy 8 packets and give ½ a packet to Mrs. Schmitz, How many sticks of gum will you have?	A bakery makes donuts and puts them in boxes of 2 dozen, If there are 56 5th graders, how many boxes do we need so each student can have 1 donut?	Play a math game 	Go to a math website. 	Draw a number line 0-4. Plot these fractions on the number line. 1 ⅓, 2 ¼, 3⅝,
Create your own bar graph about favorite summer activities. Compare your data. Can you describe your findings using %? How about fractions?	Put these numbers in order from least to greatest. ⅓, 0.5, 0.97, ¾, 0.01, 0.1, ⅖,	Mrs, Besser's garden is in the shape of a square with a perimeter of 32 square feet. What is the area of her garden?	Read a math book. 	Write a multiplication word problem that has a product of 354. Have someone solve it!	Practice your 	List the factors of 36. List the factors of 48. Do they have any common factors? If so, do you notice anything interesting?
Read a math book. 	Practice your math facts. 	Go to a math website. 	Create your own math game 	Review long division: Roll 3 dice. Record, Now roll 2 dice. Record. Now divide. Did you remember how to do this? If not, try again,	Go to a math website. 	You go on a bike ride to Fort Snelling. It is 1.9 miles. Then you ride another 1.5 miles to Dairy Queen. How many miles did you ride?

Summer Math Calendar - 5th

Student Name _____

Parent Signature _____

Play a math game. 	Mrs. Magnuson has 351 pieces of candy in a jar. She gives each 4th grader 2 pieces of candy (44). How many pieces are still in her jar?	Practice your math facts. 	Mr. C has lots of costumes. He decides to wear a different one every day for 6 weeks. How many costumes does he have?	Go to a math website. Play a game for 10 min.. 	Divide: 7624 by 27 How do you know your answer is correct?	Practice your math facts. 
Go to a math website. 	Read a math book. 	Find the prime factors for 90 Using a tree diagram.	You planning for a trip. If you are going to be gone for 12 days, how many hours will you be gone?	Play a math game 	Go to a math website. 	Create a bar graph that represents different summer sports. Ask 10 people which is their favorite. Graph your data..
Fill in the missing numerator: 2/6 = ?/48 ¾= ?/36 ⅞ =?/56	Go to a math website. 	Draw a right angle Draw an obtuse angle Draw an acute angle. Label them!	Read a math book. 	Today I read for 88 minutes. Yesterday I read for 107 minutes. How many more minutes did I read yesterday?	Write your own story problem using a 3 digit divided by a 2 digit number. Have someone solve it! How do you know if they're correct?	List the factors of 30. Now list the factors of 45. Circle the common factors. What do you notice?
Read a math book. 	Watch a weather report. Write a news article about the weather this week. Describe the math that is measurable in your article.	Mrs. Schmitz's sister lives at the reverse of her house number. The difference between their house numbers ends in two. What are the lowest possible numbers of her house?	Create a math game 	Write a story about one time you had to use math in your everyday life. (ie going to the grocery store and counting money) What did you learn?	Practice your math facts. 	If a hen and a half lay an egg and a half in a day and a half, How many eggs will half a dozen hens lay in half a dozen days?