RISING SECOND GRADER SUMMER CALENDAR

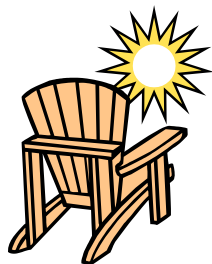**Students leaving first grade should be expected the demonstrate (but not limited to) the following:**

- Represent and solve problems involving addition and subtraction
- Understand and apply properties of operations and the relationship between addition and subtraction.
- Add and subtract within 20
- Work with addition and subtraction equations
- Extend the counting sequence (Start at any number and count forward or back)
- Count, read, and write numbers up to 120 from any number
- Understand place value (tens and ones, how to make a ten using ones)
- Use place value understanding and properties of operations to add and subtract.
- Tell and write time.
- Represent and interpret data.
- Tell about and build shapes, make 2D and 3D shapes. Use shapes to make new shapes, and divide shapes into equal parts (halves or fourths)

Throughout the summer, practice basic addition and subtraction facts. Also during the summer practice using strategies to build number sense (doubles, doubles + 1, making 10...), telling time to nearest hour and half hour using analog and digital clocks and counting, and using opportunities to read and write numbers up to 120.
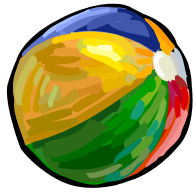
June 2014

Mon	Tue	Wed	Thu	Fri
	LAST DAY OF SCHOOL!	Create a summer math journal! Decorate the cover today!	Using a deck a cards, flip over two cards and find the sum. Do this at ten times. Do the same thing this time find the difference. Aces are equal to one. Re-	Make a tally chart of the number or fruits and vegetables you ate for meals and snacks today! Did you eat 5 servings? Compare your chart with www.myplate.gov
Draw a picture of 45 + 19 using tens and ones. How did you add these two numbers? Prove using objects to explain!	List as many ways possible to find the sum of 30.	Write down your schedule for the day or week using hours and half hours. What does each look like on a digital and analog clock?	Write an addition summer story problem using ocean animals!	**Count by fives to 100.Start with the number 0.**
Practice your single digit addition facts using sidewalk chalk!	Grab a handful of coins. Sort the coins by value and name each coin (penny, nickel, dime, quarter). Mark a chart.	Write a subtraction summer story problem involving a vacation!	Write the doubles facts (ex. 2 + 2, 5 + 5) to 20. What patterns do you see?	Select an item at the store today! What are 3-4 different combinations of coins you could use to buy it?
Grab a handful of pennies and put some in each hand. Hide one pile and figure out use what's left to figure out what's hiding! Play with a friend or family member!	50 is the answer. What could the question be? Challenge yourself to think of a few questions!	Blow a marble, a bottle cap, and a pencil across a table or surface. Measuring using inches or cm how far they go. Which one went the farthest? By how	Practice your single digit addition facts using sidewalk chalk!	Read the book **Alexander Who Used to Be Rich Last Sunday**. Keep track of how you spend $1!

July 2014

Mon	Tue	Wed	Thu	Fri
In one blow, how many bubbles can you make? What are the most bubbles you can blow at one time? How many blows will it take to get to 100>?	Go to the park and draw and write all the shapes you see! Create a chart of your shapes! How many more of one than another?	Estimate how many pieces of cereal are in 1/4 cup. Now estimate how many 1/4 cups fill your cereal bowl. Check your estimates by counting!	Write a subtraction summer story problem involving a picnic!	If I see 9 people, how many eyes do I see? If there are 30 toes under the table, how many people are sitting at the table?
Ask 10 people their favorite kind of pizza. Record your data in a chart or graph. Compare the results by looking at how many less like one type of pizza.	Write an addition summer story problem involving a game!	Using a ruler, find 3 things longer than 12 inches and 3 things shorter than 12 inches. How do you measure something longer than your ruler?	Ask 5 people their phone numbers. Add the digits of their numbers together. Who's phone number has the highest value?	Make a quart of lemonade. How many cups of water do you need? How many tablespoons of sugar do you need to make it sweet enough?
Make a calendar for the week and record the temperature each day. At the end of the week, compare your weather with Phoenix, AZ. What do you notice?	Jump three times: once like a bunny, once like a frog, and once like a child. Measure each jump in inches. Which jump was the longest? Shortest? What is the difference?	Write a subtraction summer story problem involving the beach!	What time did you eat breakfast, lunch, and dinner today? Write it down digitally and what it looks like on a clock!	Practice your single digit addition facts today with dice!
Cut out grocery coupons that your family might use. Sort these coupons into different categories. What category has the most? The least?	Write down a schedule of your day! Write the digital and analog time and a description of the activity!	If a small pack of gum has 5 pieces, how many pieces of gum are in 3 packs? What about 5 packs? 7 packs? What other things come in packs?	Write an addition summer story problem involving the pool!	Make a 3D shape using mini-marshmallows and toothpicks. How many vertices (corners) and edges does your shape have?

August 2014

Mon	Tue	Wed	Thu	Fri
Practice your facts! Remember I need to be very fluent (quick and accurate all facts up to 10)	Play with a friend or family member today! Roll 2 dice together and find the sum. Record the sum. Do this 20 times. What sum	If you saved 2 cents every day in the month of August, how much money would you have saved by the end of the month?	Write an addition summer story problem involving something you did this summer!	56 is the answer. What is the question?
How many different ways can you slice a sandwich into fourths? Try it with real and paper sandwiches!	Write a subtraction summer story problem involving something you did this summer!	Find store sale flyers and select 1-2 items. What change could you use to purchase those items?	Play "Close to 20 game" with a friend or family member today!	Draw four clocks and put the following times: 12:30, 2:00, 4:00, and 6:30! Write down and do something fun at each of those times!
Use these three numbers to tell a summer story! 18, 9, 9, 27	Play "Compare Game" with a friend or family member today! Directions are on the calendar!	Practice your facts! Remember I need to be very fluent (quick and accurate all facts up to 10)	Write an addition summer story problem involving something you did this summer!	Ask someone at home to time how long you can hop on your right foot, then your left. Which foot could you hop on longer? How much longer?
Hold an ice cube in your hand. Count by 2's until it melts. Did you count to more or less than 100?	Write a subtraction summer story problem involving something you did this summer!	Estimate the length of string you would need to fit around a beach ball. Without measuring, cut the string that you think will work. Test your prediction. What did you notice?	Play the hiding game! Gather 5, 6, 7, 8, 9. or 10 of an item! Hide some of them and play with a partner to guess the missing amount!	Write a summer story about your favorite memory! Include as many numbers and shapes as you can!
TURN IN YOUR SUMMER MATH JOURNAL TO YOUR TEACHER!				

COMPARE GAME

1. Remove the face cards from a deck of cards. (An Ace is the same as 1)
2. Pass out all the cards in the deck to all players.
3. Each player flips over two cards and finds the sum.
4. The one with the largest sum takes the cards.
5. If the sums are the same, turn over 2 more cards. The player with the largest sum keeps all four cards.

CLOSE TO 20 GAME

1. Remove the face cards from a deck of cards.
2. Deal 3 cards to each player.
3. Which two cards bring you closest to 10? Which player is closest to 10? (Ex. You turn over 5, 4, 3 and your opponent turns over Ace, 8, and 3. You can make nine (5 + 4)and your opponent can make nine (Ace + 8) or 11 (8 + 3), so it's a tie since you are both 1 away from one!