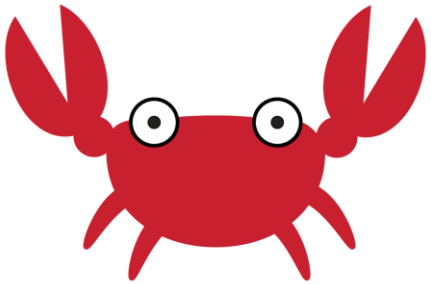
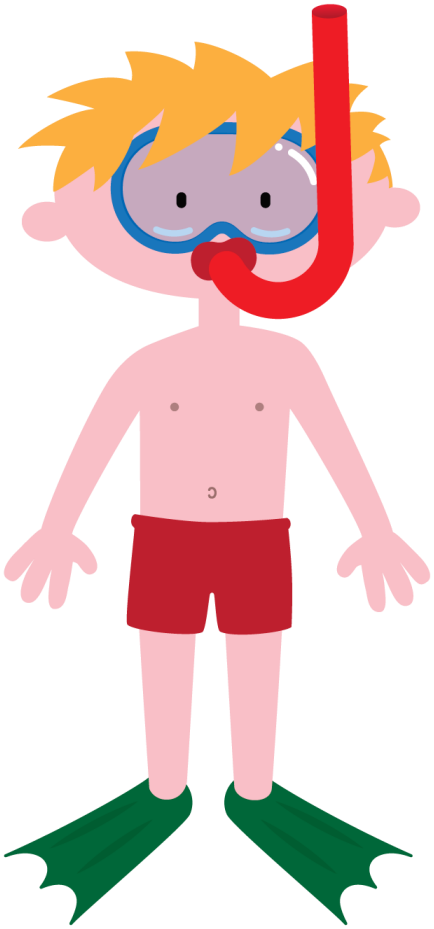
Name_____

Stepping Up to Second Grade Summer Math





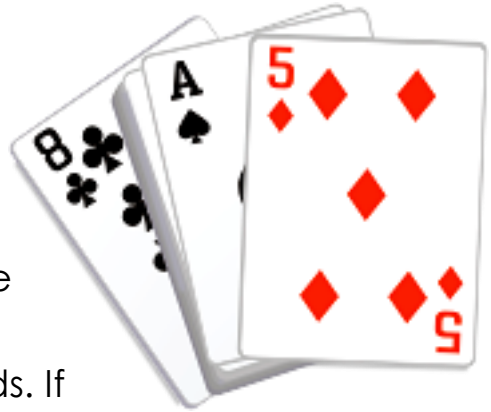
Summer Math Activities Calendar for Students Entering 2nd Grade July

1. Make a chart with weather words to record the weather for the month. Use tally marks to mark if it is rainy, cloudy or sunny.	**2.** Count out groups of ten objects like Cheerios or pasta. Make 15 groups of 10. Count your groups by 10s. How many do you have?	**3.** Look at a calendar. Count how many days are left until your first day of school. How many Saturdays are left? How many Tuesdays?	**4.** Draw a picture using 3 circles, 4 triangles, and one square. Now make one that has a line of symmetry.	**5**. Play ***Grouping and Grazing*** on the computer. Go to illuminations.nctm.org ♦ Click on ACTIVITIES. ♦ K-2. Search. ♦ Select ***Grouping and Grazing***	**6**. Ask a friend to give you a number between 0 and 50. Count backwards by 10s. Then count backwards by 1s.	**7.** Draw a picture to represent the story below. Write the equation last. 19 crabs are on the shore. There are 26 crabs in all. How many crabs are in the water?
8. Fold a piece of paper into 6 equal parts. Write one number odd numbers in each box. Draw insects in each box to match each number.	**9.** Play the game **TOP IT!** with a friend. The winner is decided at the end of the game.	**10**. Use different sized containers to measure water. See which holds more and which holds less. How do you know for sure?	**11.** A caterpillar on the milkweed is 4 inches long. A worm on the ground is 7 inches long. How much longer is the worm? Draw a model to show your answer. Write the equation last.	**12.** Play C***oncentration*** on the computer at Illuminations.nctm.org ♦ Click on ACTIVITIES. ♦ K-2. Search ♦ Select: **Concentration**	**13.** Practice counting on from numbers other than one. Start at 14…… Start at 99….. Start at 67…..	**14.** Make a list of all the (3D) shapes you can think of. Go on a scavenger hunt looking for those shapes. Check off the shapes you find.
15. Write number sentences for addition facts that equal 15. See how many you can write. Use objects like checkers to help you.	**16.** Write the number 81. How many ones are in the number? How many more do you need to make another 10?	**17.** Measure the distance from your bed to your closet using your own feet. Now measure it using a yardstick. What did you use more of? How many more?	**18.** Play ***How Many are Under the Shell?*** on the computer at Illuminations.nctm.org ♦ Click on ACTIVITIES. ♦ K-2. Search ♦ Play with a friend.	19. Practice counting to 100 by 1s, 5s, and 10s. Then count by 2's to 100. Use the 100 chart to help you.	**20.** Find 20 counters. Practice subtracting from 20 using the counters and saying the number sentences aloud.	**21.** Draw 9 frogs in a pond. Draw 6 frogs on the land near the pond. Tell a story. Write two addition sentences for this story. How many tens are in the number?
22 Roll two dice. Add the numbers you get together. Say the number sentence. Do this 10 times. Add your new number to the total as you play. How high di you go?	**23.** Go to the library and find a counting book. Read it by yourself. Count along as you read.	**24.** Draw a group of 16 ladybugs. Draw a group of 14 fireflies. Which group has more? How many more. Write the number. How many ones are in the number?	**25**. Collect 18 shells or rocks at the beach. Put them in order from largest to smallest.	**26.** Use the 100s chart to practice counting. Color the numbers you say when you count by twos.	**27** Estimate how many books you have in your room. Now count them to see how close you were.	**28.** Take a survey of your family's favorite ice creams flavors. Make a list to show the results.

Summer Math Activities Calendar for Students Entering 2nd Grade - August

1. Make a calendar to record the temperature for the month. Write the temperature each day.	**2.** Look at the pattern. Continue to counting the pattern until you get to 40. How many numbers did you say? 2, 4, 6, 8,	**3.** Look at a calendar. Count how many days are left until your first day of school. How many Sundays are left? How many Wednesday?	**4.** Write the doubles facts to 30.	**5**. Play ***Bobbie Bear*** on the computer at illuminations.nctm.org ♦ Click on ACTIVITIES. ♦ K-2. Search. ♦ Select ***Bobbie Bear*** How many outfits can you make with 3 shirts and 4 pants?	**6**. What are the missing numbers? 45, ___, 47, 48 ___, ___, 55, 56 77, 78, ____, ____	**7.** Ask a grown up to quiz you on your math facts to 20.
8. Find 4 objects in your house that are about 6 paper clips long.	**9.** Play the game **TOP IT!** with a friend or two. The winner is selected at the end of the game.	**10**. If you had 27 butterflies in your garden and 14 flew away…how many would be left? Draw a picture to represent your thinking. Write the equation last.	**11.** Help set the table for dinner. How many people will be eating? How many pieces of silverware do you need to put on the table? If 3 friends were coming for dinner…how many more would your need?	**12.** Play C***oncentration*** on the computer at Illuminations.nctm.org ♦ Click on ACTIVITIES. ♦ K-2. Search ♦ Select: **Concentration**	**13.** Show how you would find the sum of 46 + 30 using base ten blocks. Write an equation. How many tens would you have?	**14.** Make a list of all the (3D) shapes you can think of. Go on a scavenger hunt looking for those shapes. Check off the shapes you find.
15. Use a grocery store flyer to make a shopping list. Write 3 things you would like to buy and their prices. Can you add up the prices and find the total amount of money you will need?	**16.** Pretend you found 32 pieces of sea glass at the beach and added it to your collection when you got home. Now you have 64 pieces. How many did you have in your collection before today?	**17.** Measure the distance from your table to the kitchen sink using your own feet. Now measure it using a yard stick. About how many more feet did you use?	**18.** Play ***Patch Tool*** on the computer at Illuminations.nctm.org ♦ Click on ACTIVITIES. ♦ K-2. Search ♦ Select ***Patch Tool*** Create a picture using the shapes.	19. Look at your 100 chart. Find the number 12. What number do you land on if you went down 3 rows and right 7 spaces?	**20.** How many windows and doors do you have in your house? Is the number odd or even? How do you know?	**21.** If there were 16 frogs in the pond and 16 frogs on the grass how many frogs would there be? Write one addition and one subtraction story.
22 Roll three dice. Add the numbers you get together. Say the number sentence. Do this 10 times. Add your numbers together. How high did you go?	**23.** School is right around the corner. Go to the library and find a counting book. Read it with a grownup.	**24.** Draw a group of 8 suns. Draw a group of 2 moons. Which group has more? How many more. Write the number.	**25**. Collect 18 shells of rocks at the beach. Put them in order from smallest to largest.	**26.** Play ***Patch Tool*** on the computer at Illuminations.nctm.org ♦ Click on ACTIVITIES. ♦ K-2. Search ♦ Select ***Patch Tool*** Enjoy making pictures with shapes.	**27.** Count out 120 pieces of cereal like ***Kix*** to share with a friend. How many will each of you have?	**28.** Take a survey of your family's favorite activities. Make a list to show the results.

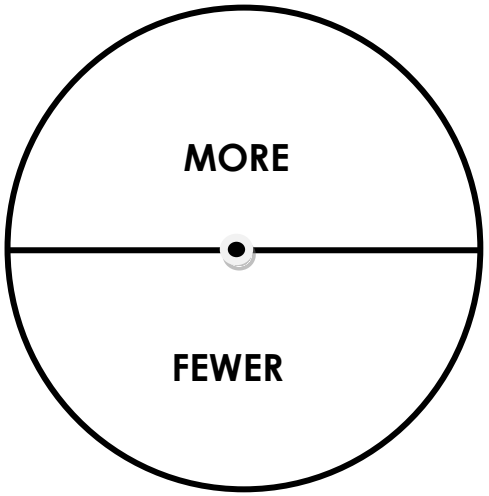
Top-It



Directions: This game can be played with 2-4 players. You can play with dominoes or playing cards. You will need one or two decks of cards depending on how many people are playing. Remove the Aces and all the face cards. Shuffle the cards and deal them all out. Children place their cards face down in front of them. Each player turns over their first card. The child with the highest card keeps the cards. If two players have the same card, they turn over their next cards until there is a winner. When all the cards have been played, children add up the number of cards they have left.

To determine the winner have one child use the spinner below with a pencil and paper clip. If the paper clip points to **MORE**, then the child who has more wins. If it points to **FEWER**, then the child who has fewer cards wins.

Variation: Children can add the cards together the cards that are played. The first child to add correctly gets the cards.



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Math Books for Summer Reading

TOPIC	TITLE	AUTHOR
Patterns	The Button Box	Margaret Reid
	Tops and Bottom	Janet Stevens
	Frog and Toad are Friends	Arnold Lobel
	Some Birthday	Patricia Polacco
Number Sense	Fish Eyes	Lois Elhert
	Icky Bug Counting Book	Jerry Pallotta
	From One to Hundred	Terri Sloat
	One Hundred Hungry Ants	Elinor J. Pinczes
	What Comes in 2s, 3s, 4s?	Suzanne Aker
	Math in the Bath	Sara Atherlay
	Two Ways to Count to Ten	John Leibler
	One Hungry Monster	Eric Carle
	Ten Flashing Fireflies	Philemon Sturges
	Count On	Ruby Dee
	The Napping House	Audrey Wood
	Diary of a Worm	Doreen Cronin
Estimation	Keepin' Count	Shel Silverstein
	Counting on Frank	Rod Clement
	Popcorn	Frank Asch
Operations	The Doorbell Rang	Audrey Wood
	Each Orange Had 8 Slices	Paul Giganti
	Bunches and Bunches of Bunnies	Louise Matthews
	12 Ways to Get to 11	Eve Merriman
	Rooster's Off to See the World	Eric Carle
Geometry	The Greedy Triangle	Marilyn Burns
	A Cloak for the Dreamer	Aileen Greeman
	The Bedspread	Sylvia Fair
	Grandfather Tang's Story	Ann Tompert
	Changes, Changes	Pat Hutchins
Measurement	Strega Nonna	Tomie DePaola
	Inch by Inch	Leo Lionni
	The Grouchy Ladybug	Eric Carle
	Benny's Pennies	Pat Brisson
	Isn't It Time?	Jill Murphy