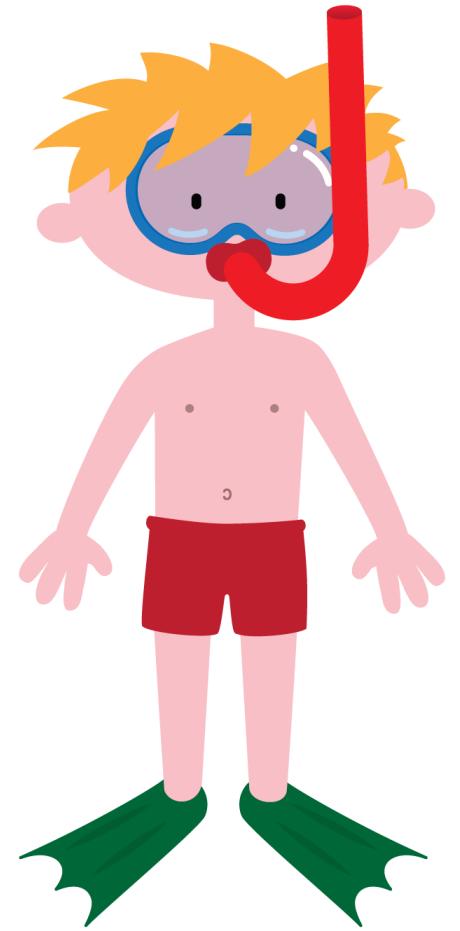
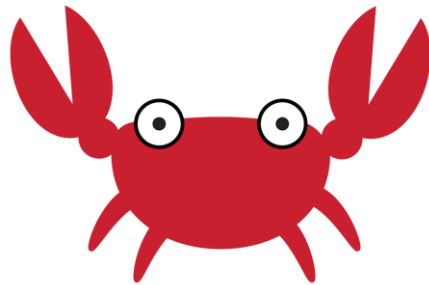




Name _____

Stepping Up to First Grade Summer Math



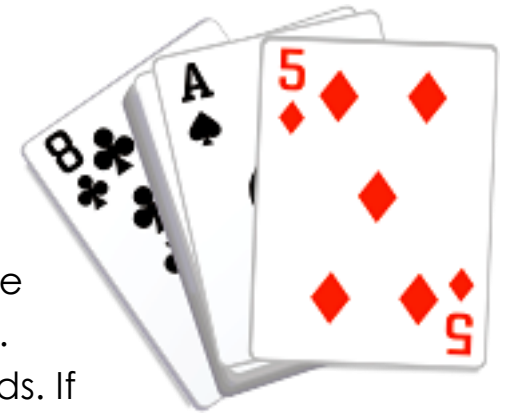
Summer Math Activities Calendar for Students Entering 1st Grade - July

<p>1. Practice writing the numbers from 0-20. Circle the numbers you would say if you counted by 2s.</p>	<p>2. Count out groups of ten objects like Cheerios or pasta. Make 5 groups of 10. Count your groups by 10. How many do you have?</p>	<p>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?</p>	<p>4. Draw a picture using 3 circles, 4 triangles, and one square. Now make one that has a line of symmetry.</p>	<p>5. Play Bobbie Bear on the computer at illuminations.nctm.org ♦ Click on ACTIVITIES. ♦ K-2. Search. ♦ Select Bobbie Bear</p> <p>How many outfits can you make with 2 shirts and 3 pants?</p>	<p>6. As you walk or drive in the car, try to find all the numbers 0,1,2,3... in order. How many do you see along the way? How high can you go?</p>	<p>7. Bring different size containers to the beach. Fill them up and compare their weights. Build a sand castle using two different shaped containers.</p>
<p>8. Fold a piece of paper into 6 equal parts. Write one number from 0-5 in each box. Draw insects in each box to match each number.</p>	<p>9. Play the game TOP IT! with a friend. The winner is decided at the end of the game.</p>	<p>10. Use different sized containers to measure water. See which holds more and which holds less. How do you know for sure?</p>	<p>11. Count backwards from 20-0.</p>	<p>12. Play Concentration on the computer at illuminations.nctm.org ♦ Click on ACTIVITIES. ♦ K-2. Search ♦ Select: Concentration</p>	<p>13. Practice counting on from numbers other than one. Start at 4..... Start at 11..... Start at 20.....</p>	<p>14. Make a list of all the (2D) shapes you can think of. Go on a scavenger hunt looking for those shapes. Check off the shapes you find.</p>
<p>15. Write number sentences for addition facts that equal 5. See how many you can write. Use objects like checkers to help you.</p>	<p>16. Write the number 14. Draw that number of ice cream cones. How many tens are in the number? Circle ten cones. How many ones are left?</p>	<p>17. Measure the distance from your bed to your closet using your own feet. Now measure it using your hands. What did you use more of? How many more?</p>	<p>18. Play Five Frame on the computer at illuminations.nctm.org ♦ Click on ACTIVITIES. ♦ K-2. Search ♦ Select Five Frame And select PLAY ALL.</p>	<p>19. Practice counting to 100 by 1s, 5s, and 10s. Use the 100 chart to help you.</p>	<p>20. Find 5 counters. Practice subtracting from 5 using the counters and saying the number sentences aloud.</p>	<p>21. Draw 7 frogs in a pond. Draw 3 frogs on the land near the pond. Tell a story. Write two addition sentences for this story.</p>
<p>22 Roll two dice. Add the numbers you get together. Say the number sentence. Do this 10 times.</p>	<p>23. Go to the library and find a counting book. Read it with a grownup. Count along as you read.</p>	<p>24. Draw a group of 6 ladybugs. Draw a group of 4 fireflies. Which group has more? How many more. Write the number.</p>	<p>25. Collect 10 shells or rocks at the beach. Put them in order from largest to smallest.</p>	<p>26. Use the 100s chart to practice counting. Color the numbers you say when you count by tens.</p>	<p>27. Share a package of Goldfish with a friend. See if you can share them equally. How many Goldfish does each of you have?</p>	<p>28. Take a survey of your family's favorite ice creams flavors. Make a list to show the results.</p>

Summer Math Activities Calendar for Students Entering 1st Grade - August

<p>1. Practice writing the numbers from 0-30. Circle the numbers you would say if you counted by 5s.</p>	<p>2. Count out groups of ten objects like Cheerios or pasta. Make 8 groups of 10. Count your groups by 10. How many do you have?</p>	<p>3. Look at a calendar. Count how many days are left until your first day of school. How many Sundays are left? How many Wednesdays?</p>	<p>4. Draw a picture using 6 circles, 2 triangles, and 3 squares. Add details of your own.</p>	<p>5. Play Bobbie Bear on the computer at illuminations.nctm.org ♦ Click on ACTIVITIES. ♦ K-2. Search. ♦ Select Bobbie Bear</p> <p>How many outfits can you make with 3 shirts and 4 pants?</p>	<p>6. Ask a grownup to say 3 numbers in a row. You say the next three numbers. Do this 10 times.</p>	<p>7. Build a sand castle that is as long as you are when you are laying down on the sand. Ask a friend to lie down next to it. Is your friend taller or shorter than you are?</p>
<p>8. Fold a piece of paper into 6 equal parts. Write one number from 6-11 in each box. Draw stars in each box to match each number.</p>	<p>9. Play the game TOP IT! with a friend or two. The winner is selected at the end of the game.</p>	<p>10. Use different sized containers to measure water. See which holds more and which holds less. How do you know for sure?</p>	<p>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?</p>	<p>12. Play Concentration on the computer at illuminations.nctm.org ♦ Click on ACTIVITIES. ♦ K-2. Search ♦ Select: Concentration</p>	<p>13. Practice counting on from numbers other than one. See how far you can go. Start at 12..... Start at 25..... Start at 6.....</p>	<p>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.</p>
<p>15. Write number sentences for addition facts that equal 6. See how many you can write. Use objects like checkers to help you.</p>	<p>16. Write the number 19. Draw that number of buttons. How many tens are in the number? Circle ten buttons. How many ones are left?</p>	<p>17. Measure the distance from your table to the kitchen sink using your own feet. Now measure it using your hands. What did you use more of? How many more?</p>	<p>18. Play Five Frame on the computer at illuminations.nctm.org ♦ Click on ACTIVITIES. ♦ K-2. Search ♦ Select Five Frame And select PLAY ALL.</p>	<p>19. Look at your 100 chart. Find the number 12. What number do you land on if you add on 5?</p>	<p>20. Find 6 counters. Practice subtracting from 6 using the counters and saying the number sentences aloud.</p>	<p>21. Draw 5 frogs in a pond. Draw 5 frogs on the land near the pond. Tell one addition and one subtraction story. Write each number sentence.</p>
<p>22 Roll two dice. Add the numbers you get together. Say the number sentence. Do this 10 times.</p>	<p>23. School is right around the corner. Go to the library and find a counting book. Read it with a grownup.</p>	<p>24. Draw a group of 8 suns. Draw a group of 2 moons. Which group has more? How many more. Write the number.</p>	<p>25. Collect 10 shells or rocks at the beach. Put them in order from smallest to largest.</p>	<p>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.</p>	<p>27. Count out 40 pieces of cereal like Kix to share with a friend. How many will each of you have?</p>	<p>28. Take a survey of your family's favorite activities. Make a list to show the results.</p>

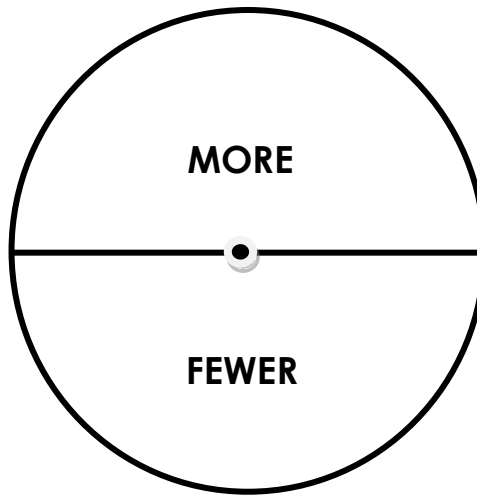
Top-It



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