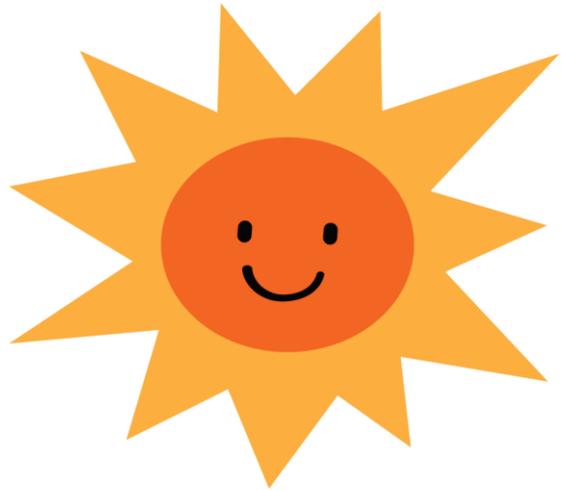
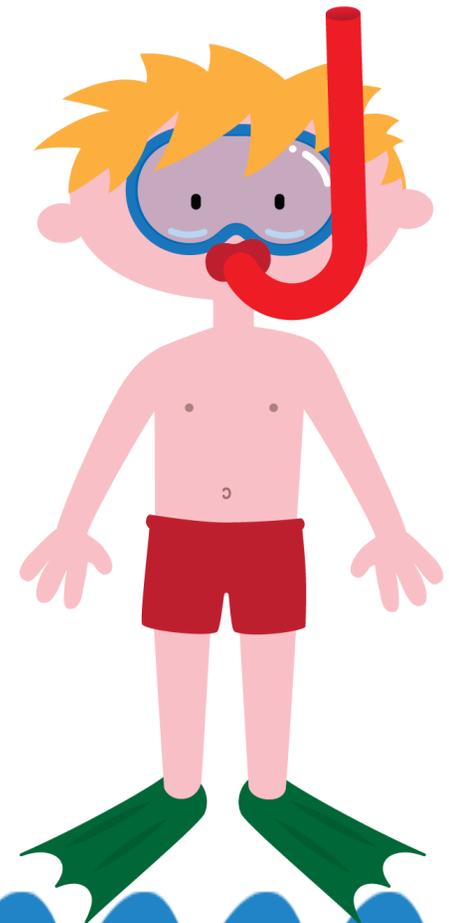
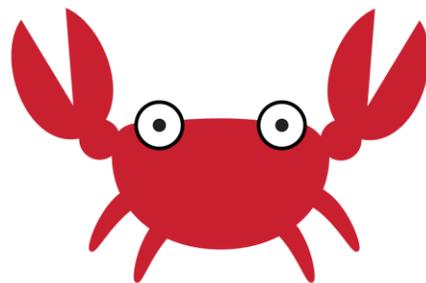
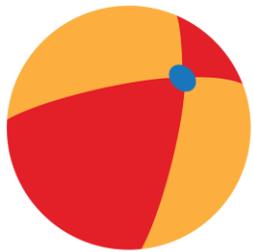


Name \_\_\_\_\_



# Stepping Up to Third Grade Summer Math



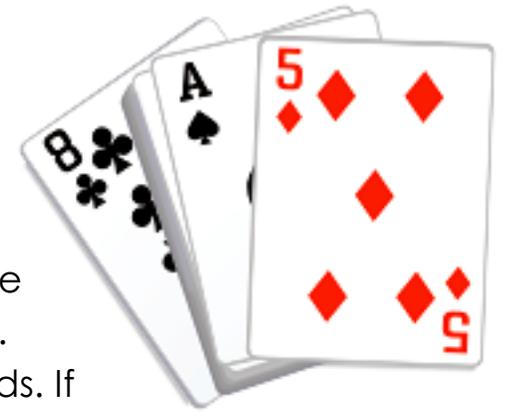
# Summer Math Activities Calendar for Students Entering 3rd Grade - July

<p><b>1.</b> Add <math>78 + 58</math>.</p> <p>If you add the tens first, how would you add the ones on? Would adding doubles help you with the ones?</p>	<p><b>2.</b> In the number 2,365 what is the value of the 3? Write a four digit number that has a 3 in the tens place. Which 3 has the most value? How do you know?</p>	<p><b>3.</b> Look at a calendar. Count how many days until your first day of school. How many Saturdays are left? How many Tuesdays?</p>	<p><b>4.</b> Go on a scavenger hunt in your house. Look for cylinders, cones, rectangular prisms and cubes. Make an organized list of what you found.</p>	<p><b>5.</b> Play <b>Patch Tool</b> on the computer at <a href="http://illuminations.nctm.org">illuminations.nctm.org</a></p> <ul style="list-style-type: none"> <li>◆ Click on ACTIVITIES.</li> <li>◆ K-2. Search.</li> <li>◆ Select <b>Patch Tool</b></li> </ul> <p>Use the pattern blocks to make the picture.</p>	<p><b>6.</b> Use your hundred chart and follow these directions.</p> <p>Start at 32. Add 41. Subtract 25. Add 17.</p> <p>What number did you land on?</p>	<p><b>7.</b> Draw place value blocks to represent this number:</p> <p style="text-align: center;">7,957</p> <p>Now write the number in expanded form.</p>
<p><b>8.</b> You have \$1.50 to spend on you and two friends. If a snow cone cost 42 cents do you have enough money to buy one for everyone?</p>	<p><b>9.</b> Play the game <b>TOP IT! (Variation)</b> with a friend.</p> <p>The winner is decided at the end of the game.</p>	<p><b>10.</b> Find a grocery store flyer. Look for 5 things you would like to buy. Make a list and record the values. How much money will you need?</p>	<p><b>11.</b> Start at 180. Count backwards by 10s to 0. Now count back by 5s.</p>	<p><b>12.</b> Play <b>Concentration</b> on the computer at <a href="http://illuminations.nctm.org">illuminations.nctm.org</a></p> <ul style="list-style-type: none"> <li>◆ Click on ACTIVITIES.</li> <li>◆ K-2. Search</li> <li>◆ Select: <b>Concentration</b></li> </ul>	<p><b>13.</b> Take any 10 coins and sort them by their value. Add the coins together to find the total. Is your amount greater than or less than 100?</p>	<p><b>14.</b> What numbers could have 8 in the thousands place, 9 in the ones place and 5 in the tens place?</p>
<p><b>15.</b> If you saw 9 spiders, 6 crickets, and 5 ladybugs, how many legs would you see?</p>	<p><b>16.</b> If you are looking at a clock and the minute hand is on the 3 and the hour hand is on the 8 what might you be doing?</p>	<p><b>17.</b> Draw 22 circles. Color <math>\frac{1}{2}</math> of them red. Is the number colored odd or even?</p>	<p><b>18.</b> Play <b>Primary Krypto</b> on the computer at <a href="http://illuminations.nctm.org">illuminations.nctm.org</a></p> <ul style="list-style-type: none"> <li>◆ Click on ACTIVITIES.</li> <li>◆ K-2. Search</li> <li>◆ Watch out...this is tricky.</li> </ul>	<p><b>19.</b> Write a story problem for this number sentence.</p> <p style="text-align: center;"><math>49 - 23 =</math></p>	<p><b>20.</b> Pretend you go shopping and find a pail and shovel that costs 65 cents. You pay using three coins and get a dime for change. What coins did you pay with?</p>	<p><b>21.</b> Use the digits 2, 7, and 8 to write one number. What is the smallest 3 digit number you can make? Draw the place value blocks to represents this number.</p>
<p><b>22</b> Record how much time you spend reading for the whole week.</p>	<p><b>23.</b> Write a story problem for this number sentence.</p> <p style="text-align: center;"><math>7 + 14 + 21 =</math></p>	<p><b>24.</b> Draw a square and divide it into 4 equal parts. Shade <math>\frac{3}{4}</math> of the square. How much is not shaded?</p>	<p><b>25.</b> Start at 56 on the hundred chart. Go down 4 rows and over 4 columns. What number did you end at?</p>	<p><b>26.</b> Use the hundred chart to practice counting by 2s, 5s and 10s. Color the numbers you say when you count by threes.</p>	<p><b>27.</b> Draw a rectangle that has 4 cm and 6 cm sides.</p>	<p><b>28.</b> Take a survey of at least 12 people. Ask them their favorite color. Make a graph to show the results.</p>

# Summer Math Activities Calendar for Students Entering 3rd Grade - August

<p><b>1.</b> Add <math>34 + 19</math>.</p> <p>What number can you use in place of the 9 to make it easier to add?</p>	<p><b>2.</b> If you are looking at an analog clock and the hour hand is between the 12 and 1 and the minute hand is on the 6, what might you be doing?</p>	<p><b>3.</b> Look at a calendar. Count how many days are left until your first day of school. How many Sundays are left? How many Wednesday?</p>	<p><b>4.</b> Draw 24 chocolate chip cookies. If you had to divide them between you and 11 friends how many would each of you get? What if you were sharing with 5 friends?</p>	<p><b>5.</b> Play <b>Bobbie Bear</b> on the computer at <a href="http://illuminations.nctm.org">illuminations.nctm.org</a>            ♦ Click on ACTIVITIES.            ♦ K-2. Search.            ♦ Select <b>Bobbie Bear</b></p> <p>How many outfits can you make with 6 shirts and 5 pants?</p>	<p><b>6.</b> If you went to the store and bought a kite for \$1.05 and you gave the clerk the exact amount using five coins, what coins did you use to buy the kite?</p>	<p><b>7.</b> Name two solid figures that can roll. Name two solid figures that can slide. Name one solid figure that can only roll. Name one solid figure that can roll and slide.</p>
<p><b>8.</b> If you were sharing a pizza that was cut into 18 slices with 5 friends, how many pieces would you all be able to eat? Remember to include yourself.</p>	<p><b>9.</b> Play the game <b>TOP IT! (variation)</b> with a friend or two.</p> <p>The winner is selected at the end of the game.</p>	<p><b>10.</b> Pick a tall thin container and a short wide one. Estimate which one will hold more water. Pour water in each. Then compare the amount of water using measuring cups.</p>	<p><b>11.</b> 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? What if you were having 5 guests for dinner? How much silverware would you need? Write an equation.</p>	<p><b>12.</b> Play <b>Concentration</b> on the computer at <a href="http://illuminations.nctm.org">illuminations.nctm.org</a>            ♦ Click on ACTIVITIES.            ♦ K-2. Search            ♦ Select: <b>Concentration</b></p>	<p><b>13.</b> Practice counting on from numbers other than one. Count up 15 numbers.            Start at 47.....            Start at 109.....            Start at 684.....</p>	<p><b>14.</b> 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><b>15.</b> Have a grownup ask you math facts through 20. Name a strategy you use to help you remember the facts. For example, <math>8 + 9</math> is a doubles plus 1 fact.</p>	<p><b>16.</b> If you cut a sandwich into 4 pieces and you ate <math>\frac{1}{2}</math> of the sandwich, how many pieces did you eat? Draw a picture to represent your thinking.</p>	<p><b>17.</b> Measure the distance from your table to the kitchen sink using a yardstick. How many feet is it from the table to the sink?</p>	<p><b>18.</b> Play <b>Ten Frame</b> on the computer at <a href="http://illuminations.nctm.org">illuminations.nctm.org</a>            ♦ Click on ACTIVITIES.            ♦ K-2. Search            ♦ Select Play All</p>	<p>19. Look at your hundred chart. Find the number 12. What number do you land on if you add on 45?</p>	<p><b>20.</b> If you had 6 coins in your pocket, list 5 possible combinations that you might have and give the total value of each.</p>	<p><b>21.</b> Nine mice ran to their home under the shed. If there were a total of 77 mice living in your backyard, how many mice were already under the shed?</p>
<p><b>22</b> Start at 99. Subtract 33. Add 21, Subtract 7. Subtract 20, Subtract 99. What number did you end up at?</p>	<p><b>23.</b> Write the number 9,329 in expanded form. Write the even number it is closest to if you are moving forward on the number line.</p>	<p><b>24.</b> Max bought 4 notebooks and Iris bought 6. Max spent \$2.00. Iris only spent \$1.20. How could this be true?</p>	<p><b>25.</b> Draw models to represent this number in 3 different ways.</p> <p style="text-align: center;">5,273</p>	<p><b>26.</b> Play <b>Patch Tool</b> on the computer at <a href="http://illuminations.nctm.org">illuminations.nctm.org</a>            ♦ Click on ACTIVITIES.            ♦ K-2. Search            ♦ Select <b>Patch Tool</b>            Enjoy making pictures with shapes.</p>	<p><b>27.</b> If you bought a box of crayons for 82 cents and you gave the clerk \$1.00 would you get any change? If so, how much?</p>	<p><b>28.</b> Take a survey of your family's favorite summer activities. Make a list to show the results.</p>

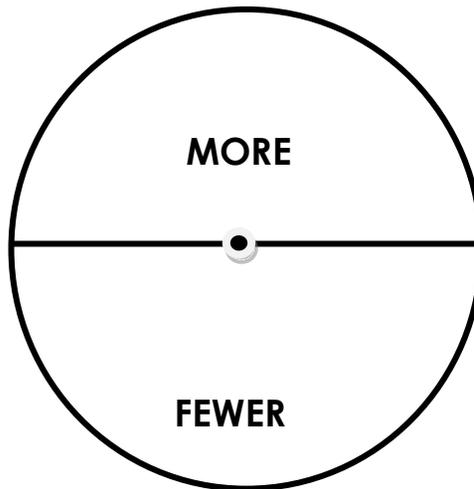
# Top-It



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 that are played together. The first child to add correctly gets the cards.*



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

# Math Books for Summer Reading

TOPIC	TITLE	AUTHOR
Number Patterns	Each Orange Had Eight Slices: A Counting Book Sea Square Anno's Magic Seeds Less Than Zero How Much is a Million?	Paul Giganti Joy Hulme Anno Mitsumasa Stuart Murphy David Schwartz
Number Stories and Operations	The King's Chessboard Anno's Mysterious Multiplying Jar Pizza Counting The Doorbell Rang What Comes in 2s, 3s, 4s? If You Hopped Like a Frog Math-terpieces The Grapes of Math The Best of Times Persephone and the Pomegranate Diary of a Worm	David Birch Anno Mitsumasa Christina Dobson Pat Hutchins Suzanne Aker David Schwartz Greg Tang Greg Tang Greg Tang Ann Tompert Doreen Cronin
Estimation	Keepin' Count Counting on Frank Popcorn	Shel Silverstein Rod Clement Frank Asch
Fractions	The Doorbell Rang Each Orange Had 8 Slices Give Me Half! Eating Fractions Fraction Fun Gator Pie	Audrey Wood Paul Giganti Stuart Murphy Bruce McMillian David Adler Louise Matthews
Geometry	If You Look Around You Sir Cumference and the Sword in the Cone The Greedy Triangel Grandfather Tang's Story Loo Loo of Dragon Mountain	Fulvio Testa Cindy Neuschwander Marilyn Burns Ann Tompert Margaret Bateson-Hill
Measurement and Data	The I Hate Mathematics Book Do You Wanna Bet? Measuring Penny How Big is a Foot? Probably Pistachio Millions to Measure	Marilyn Burns Jean Cushman Loreen Leedy Rolf Myller Stuart Murphy David Schwartz