

# Incoming *Fourth* Graders Summer Math Challenge

## Choice Board

<p>#1: At a restaurant or while grocery shopping, work together with a family member to estimate the bill.</p>	<p>#2: Help prepare a meal. How was math used during before and after?</p>	<p>#3: Find shapes around you that have lines of symmetry. Draw pictures of them and the lines of symmetry.</p>	<p>#4: Draw or make arrays and multiples of equal groups. Have your child make up and solve number stories to go with them.</p>
<p>#5: Practice telling time by asking your child “What time is it?” or “In how many minutes will it be 11:00, or 3:15?” Practice daily.</p>	<p>#6: Count in several different intervals; Forward by 2’s from 100, Forward by 10’s from 54, Backward by 10’s from 100 and so on.</p>	<p>#7: If you have 36 cookies and 9 friends are coming over, how many will each get? How about 45 cookies? Draw a picture or use counters if you need them</p>	<p>#8: What number is 10 more than 4, 492? What number are 300 more than 567? Make up more examples like these.</p>
<p>#9: Determine the pattern. What comes next in each pattern? 2,4,6,__,__,_ 50,60,__,__,_ 12,10,8,__,__,_  Create your own patterns.</p>	<p>#10: Look at a recipe and measure the ingredients together. Discuss the different equivalent measures.</p>	<p>#11: During a family road trip, ask your children to look at the numbers on license plates and add up the numbers. You can assign a value to the letters, for example, every letter equals 5.</p>	<p>#12: Show five different ways to make \$1.64 using coins and/or bills.</p>
<p>#13: Cut out pictures from newspapers and magazines that show different shapes, such as triangles, quadrangles, and other shapes.</p>	<p>#14: Draw a pizza with toppings you like. Divide the pizza into eighths. Label each eighth.</p>	<p>#15: Ava leaves to go swimming at 4:05 and returns at 5:25. How long has she been gone?</p>	<p>#16: Practice addition and//or subtraction facts using Flashcards and or Fact Triangles.</p>
<p>#17: Play a game that involves mathematical thinking, such as: Trouble, Checkers, Connect Four, Uno, Battleship, Monopoly, etc.  <b>on-line math related games are also welcome</b></p>	<p>#18: Solve. Emily loves to fish during summer vacation. The first day, Emily catches 3 fish. The second day, Emily catches 6 fish. The third day, Emily catches 9 fish. The fourth day, Emily catches 12 fish. If this pattern continues, how many fish does Emily catch on the eleventh day? Show all of your mathematical thinking.</p>	<p>* #19: Complete a graphing Project. Keep track of the weather for one month using the attached sheet. Use this information to create a GRAPH of your choice (Bar Graph, Pie Graph, Line Graph, or Pictograph). The graph needs to include a <b>KEY, 2 Questions</b> about the graph, and be <b>colorful</b> and neatly completed.</p>	<p>* #20: Collect 10 pennies and look for the year that is printed on them. Have your child read each to you. Students will then answer 3 questions about their pennies. -Do any of the years repeat? -How many pennies are older than you? - How much older is the oldest penny than the newest penny?</p>

Child’s Name: \_\_\_\_\_ New Class #: \_\_\_\_\_ Parent/Guardian Signature \_\_\_\_\_