

## Summer Math Resources - Rising 5th Grade Students

As the end of the school year approaches, it is exciting to take stock of all that the children have worked hard to learn this year! To honor that hard work and maintain skills over the summer, it can be helpful for children to engage in some simple summer math routines.

Books	Games	Print Resources	Digital Resources
<p><a href="#">Fractions in Disguise</a> by Edward Einhorn</p> <p><a href="#">The King's Chessboard</a> by David Birch</p> <p><a href="#">The Grapes of Math</a> by Lori Haskins Houran</p> <p><a href="#">Sea Squares</a> by Joy Hulme</p> <p><a href="#">Seven Golden Rings</a> by Rajani LaRocca</p> <p><a href="#">What's Your Angle, Pythagoras?</a> By Julie Ellis</p> <p><a href="#">A Fly on the Ceiling</a> by Julie Glass</p> <p><a href="#">Math Inspectors</a> by Daniel Kenney</p> <p><a href="#">Pythagoras and the Ratios</a> by Julie Ellis</p>	<p><b><a href="#">Acing Math!</a></b>: This is a collection of math games for grades K-5, all of which use a regular deck of playing cards.</p> <p><b>Factor Dice</b>: Roll 2 (or more) dice and multiply to find the product. Decide whether the product is composite (has more than 2 factors) or prime (has exactly 2 factors, 1 and the number itself). If it's composite, find all the other factor pairs of the number. Record all the factor pairs for each roll, whichever player has the most factor pairs after 5 turns wins!</p> <p><b>Fraction War</b>: Have kids use scratch paper or whiteboards. Players each roll two dice to make a fraction. The smaller of the roll should go on top/be the numerator. If the person rolls doubles (same number twice, like two fives), that person automatically wins a point for that round. Once dice are rolled, partners work together to see which fraction is larger. The larger fraction wins. <i>Variation</i>: Add or multiply the fractions and the person who correctly determines the sum/product first wins.</p> <p><b>Capture the Grid</b>: Players need two dice and a piece of grid paper for partners to share. Players also need a marker, crayon or colored pencil. Players should have different colors. Each person rolls the dice and uses the numbers as the length and width of a rectangle. The person draws the rectangle on the grid paper to scale. In the rectangle, that person writes the perimeter or the area (whichever is decided at the beginning of the game). The other person takes a turn and the winner is the player who has captured the most area on the grid paper, when time is called.</p>	<p><a href="#">Problem Solving Deck- Instructions Problem Solving Deck B</a></p> <ul style="list-style-type: none"> <li>Free printable collection of problems to promote problem solving and strategic thinking.</li> </ul> <p><a href="#">IXL Fourth Grade Math Workbook</a></p> <ul style="list-style-type: none"> <li>Offers online resources to support the material in the workbook.</li> </ul> <p><a href="#">Summer Bridge Activities</a> series</p> <ul style="list-style-type: none"> <li>Review of math, literacy, and science skills, organized as 15 minutes of practice per day.</li> </ul> <p><a href="#">Summer Math Skills Sharpener 4th Grade</a></p> <ul style="list-style-type: none"> <li>Daily practice (approx. 20 minutes) of grade-level skills. Includes tutorial pages to help students review concepts.</li> </ul> <p><a href="#">Daily Math Practice, Grade 4</a></p> <ul style="list-style-type: none"> <li>Organized as 5-day a week, quick practice and review.</li> </ul>	<p><a href="#">Rising Fifth Graders Summer Math Series</a> (Zearn.org, free online subscription)</p> <p><a href="#">Youcubed at Home</a></p> <ul style="list-style-type: none"> <li>Designed to give families simple, at-home ways to look at the world through the lens of mathematics</li> </ul> <p><a href="#">Timestable.com</a></p> <p><u><i>Apps for Math Fact Fluency:</i></u></p> <ul style="list-style-type: none"> <li>Times Table Hero</li> <li>Sushi Monster</li> <li>Rocket Math</li> <li>Math Facts Mahjong Game</li> </ul>

