

## 5<sup>TH</sup> GRADE MATH BOOK LIST

Unit	Topic	Books
1	Understanding Volume	
2	Developing Multiplication & Division <b>STRATEGIES</b>	<ul style="list-style-type: none"> <li>• <a href="#"><i>Annos Mysterious Multiplying Jar</i></a> by Mitsumasa Anno</li> <li>• <a href="#"><i>Division Made Easy</i></a> by Rebecca Wingard</li> <li>• <a href="#"><i>Remainder of One</i></a> by Elinor J Pinczes</li> <li>• <i>Divide and Ride</i> by Stuart J. Murphy</li> </ul>
3	Using Equivalency to Add & Subtract Fractions w/ Unlike Denominators	<ul style="list-style-type: none"> <li>• <i>Fractions and Decimals Made Easy</i> by Rebecca Wingard-Nelson;</li> <li>• <i>Fun Food Word Problems Starring Fractions</i> by Rebecca Wingard-Nelson;</li> <li>• <i>The Man Who Made Parks: The Story of Parkbuilder Frederick Law Olmsted</i> by Frieda Wishinsky;</li> <li>• <i>The Wishing Club</i> by Donna Jo Napoli</li> <li>• <i>Apple Fractions</i> by: Pallotta</li> <li>• <i>Piece = Part = Portion: Fractions</i></li> <li>• <i>Full House: An Invitation to Fractions</i> by Dodds</li> </ul>
4	Expanding Understanding of Place Value to Decimals	<ul style="list-style-type: none"> <li>• <i>A Grain of Rice</i> by Helena Clare Pittman</li> <li>• <i>Powers of Ten</i> by Charles Eames and Ray Eames</li> <li>• <i>The Rajah's Rice</i> by David Barry</li> <li>• <a href="#"><i>Piece=Part=Portion: Fraction=Decimal=Percent</i></a> by Scott Gifford</li> </ul>
5	Understanding the Concept of Multiplying Fractions by Fractions	<ul style="list-style-type: none"> <li>• <i>Full House: An Invitation to Fractions</i> by Dayle Ann Dodds</li> <li>• <i>Jump, Kangaroo, Jump!</i> by Stuart J. Murphy</li> <li>• <i>The Man Who Counted: A Collection of Mathematical Adventures</i> by Malba Tahan</li> <li>• <i>The Multiplying Menace Divides</i> by Pam Calvert</li> <li>• <i>Little House in the Big Woods</i> by: Wilder</li> <li>• <i>Cranking Out the Numbers; GM lit</i></li> <li>• <i>Piece = Part = Portion / Fractions = Decimals = Percents</i>, by Scott Gifford</li> </ul>
6	Comparing and Rounding Decimals	<ul style="list-style-type: none"> <li>• <a href="#"><i>Piece=Part=Portion: Fraction=Decimal=Percent</i></a> by Scott Gifford</li> </ul>
7	Interpreting Multiplying Fractions as Scaling	<ul style="list-style-type: none"> <li>• <a href="#"><i>Funny and Fabulous Fraction Stories</i></a>; by Greenburg</li> <li>• <a href="#"><i>Apple Fractions</i></a>; by Pallotta</li> </ul>
8	Developing the Concept of Dividing Unit Fractions	<ul style="list-style-type: none"> <li>• <a href="#"><i>Hershey's Kisses Multiplication and Division</i></a></li> </ul>

9	Solving Problems Involving Volume	<ul style="list-style-type: none"> <li>• <i>Racing Around</i> by Stuart Murphy</li> <li>• <i>Inchworm and a Half</i> by Elinor J. Pinczes</li> <li>• <i>Spaghetti and Meatballs for All</i> by Marilyn Burns</li> <li>• <i>Chickens on the Move</i> by Pam Pollack</li> </ul>
10	Performing Operations with Decimals	<ul style="list-style-type: none"> <li>• <i>Inchworm and a Half</i> by Elinor J. Pinczes,</li> <li>• <i>How Tall, How Short, How Far Away</i> by David A. Adler,</li> <li>• <i>Millions to Measure</i> by David M. Schwartz</li> </ul>
11	Classifying Two Dimensional Geometric Figures	<ul style="list-style-type: none"> <li>• <i>The Very Greedy Triangle</i>, by Marilyn Burns</li> <li>• <i>Mummy Math, An Adventure in Geometry</i>, by Cindy Neusch Wander</li> </ul>
12	Solving Problems with Fractional Quantities	
13	Representing Algebraic Thinking	
14	Exploring the Coordinate Plane	<ul style="list-style-type: none"> <li>• <u><i>Two of Everything</i></u> by Lily Toy Hong;</li> <li>• <u><i>X Marks the Spot!</i></u> by Lucille Recht Penner</li> <li>• <u><i>Tiger Math: Learning to Graph from a Baby Tiger</i></u> by: Nagda</li> <li>• <u><i>The Fly on the Ceiling: A Math Myth</i></u> by: Julie Glass</li> </ul>
15	Finalizing Multiplication and Division with Whole Numbers	<ul style="list-style-type: none"> <li>• <u><i>Annos Mysterious Multiplying Jar</i></u> by Mitsumasa Anno</li> <li>• <u><i>Division Made Easy</i></u> by Rebecca Wingard</li> <li>• <u><i>Remainder of One</i></u> by Elinor J Pinczes</li> <li>• <u><i>Divide and Ride</i></u> by Stuart J. Murphy</li> </ul>