## Rockwall ISD

## 4th Grade Math Parent Guide

|  | $1^{\text {st }}$ Grading Period | $2^{\text {nd }}$ Grading Period | $3^{\text {rd }}$ Grading Period | $4^{\text {th }}$ Grading Period |
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| Process TEKS <br> (How we do the math) | A Apply mathematics to problems arising in everyday life, society, \& the workplace <br> B Use a problem solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, \& evaluating the problem-solving process \& the reasonableness of the solution <br> C Select tools, including real objects, manipulatives, paper \& pencil, \& technology as appropriate, \& techniques, including mental math, estimation, \& number sense as appropriate, to solve problems <br> D Communicate mathematical ideas, reasoning, \& their implications using multiple representations, including symbols, diagrams, graphs, \& language as appropriate <br> E Create \& use representations to organize, record, \& communicate mathematical ideas <br> F Analyze mathematical relationships to connect \& communicate mathematical ideas <br> G Display, explain, \& justify mathematical ideas \& arguments using precise mathematical language in written or oral communication |  |  |  |
| Units |  <br> Operations with Whole <br> Numbers \& Decimals <br> 4.2ABCDEFH, 4.4ABDGH, 4.5ABCD, <br> 4.10B <br> Unit 2: Multiplication \& Division of Whole Numbers <br> 4.4BCDEFGH, 4.5ABCD, 4.10A | Unit 2: Multiplication \& Division of Whole Numbers (continued) 4.4BCDEFGH, 4.5ABCD, 4.10A <br> Unit 3: Fractional \& Decimal <br> Relations with Data <br> Representations <br> 4.2EFGH, 4.3ABCDEFG, 4.4A, 4.5B, <br> 4.9AB, 4.10CDE | Unit 3: Fractional \& Decimal Relations with Data Representations (continued) <br> 4.2EFGH, 4.3ABCDEFG, 4.4A, 4.5B, 4.9AB, 4.10CDE <br> Unit 4: Measurement Applications 4.5CD, 4.8ABC <br> Unit 5: Deepening Place Value \& Operations with Whole Numbers/ Decimals <br> 4.2ABEFGH, 4.3G, 4.4A, 4.5A, 4.9AB, 4.10AB <br> Unit 6: Points, Lines, \& Angles 4.6ABCD, 4.7ABCDE | Unit 6: Points, Lines, \& Angles (continued) 4.6ABCD, 4.7ABCDE <br> Unit 7: Deepening \& Spiraling Readiness Standards 4.2ABDEFGH, 4.3ABCDEFG, 4.4ABCDEFGH, 4.5AB |
| Topic Focus | Unit 1: Students will represent the value of whole numbers through the billions place \& decimals through hundredths place. They will interpret the value of each place value position, round to the hundred thousands place, \& compare \& order whole numbers using symbols to the billions place. They will add \& subtract whole numbers, represent multi-step problems involving the four operations, \& represent problems using an input-output table \& numerical expressions. Students will round or use compatible numbers to estimate solutions involving whole numbers. They will use models to determine formulas | Unit 2: (continued) <br>  | Unit 3: (continued) <br> Unit 4: Students will use models to determine formulas for perimeter \& area, \& solve problems related to perimeter \& area where dimensions are whole numbers. They will identify relative sizes of measurement units \& convert measurements within the same system, customary \& metric. Students will solve problems that deal with measurements of length, intervals of time, liquid volumes, mass, \& money using addition, subtraction, multiplication, or division as appropriate. <br>  | Unit 6: (continued) <br> Unit 7: Students will deepen their knowledge of 4th grade standards as they review \& apply all TEKS to problem situations. |



|  | shots in basketball is worth twelve points.) <br> Measure the length \& width of various objects \& determine area. $(A=I \times w)$ | Fractions - Cut food into fractions - Add the fractional parts, i.e., $\frac{1}{4}+\frac{1}{4}+\frac{1}{4}+\frac{1}{4}=$ $\frac{4}{4}$ or 1 whole <br> Discuss fractions used in recipes. What would happen if you doubled the recipe? <br> Decimals - Add \& subtract whole \& decimal numbers. (Given a budget (\$100,00), allow students to plan a wish list.) <br> Useful tools: grocery store ads, catalogs, sports statistics |  | (The cost to rent tables, including tax \& delivery, is $\$ 16$ per table. How much will Mrs. Smith pay to rent the tables she needs for the wedding reception?) |
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| General Resources | Khan Academy: https://www.khanacademy.org/math <br> Math 4 Texas: https://www.math4texas.org/ <br> Imagine Math \& Imagine Math Facts: Login through Google Dashboard <br> Graham Fletcher Progression Videos: https://gfletchy.com/progression-videos/ <br> Bedtime Math : http://bedtimemath.org/ <br> Interactive Math Glossary: https://www.texasgateway.org/resource/interactive-math-glossary <br> Virtual Manipulatives \& Strategy Charts: 4 Math Manipulatives Page |  |  |  |

