Fourth Grade Compacted Mathematics Newsletter

Marking Period 2, Part 2

| МТ | | | Learning Goals by Measurement Topic (MT) Students will be able to | | | | |
|-------------------------|--------------|-----------|---|---|--|--|--|
| Number and | Operations - | Fractions | • | multiply a fraction by a whole number. solve word problems involving multiplying a fraction by a whole number. | | | |
| Measurement and Data | | • | measure and sketch angles using a protractor. compose and decompose angles. use addition, subtraction, and multiplication of fractions to solve word problems involving distance, time, volume, mass, and money. | | | | |
| Geometry | | • | draw and identify lines, line segments, perpendicular lines, and parallel lines. draw and identify lines of symmetry in two-dimensional shapes. draw and identify angles, including reflex angles (more than 180°). classify triangles and other two-dimensional shapes based on angle and line properties. | | | | |

| | Thinking and Academic Success Skills (TASS) | | | | | | | |
|--------------------|---|--|--|--|--|--|--|--|
| | | <u>lt is</u> | In mathematics, students will | | | | | |
| Elaboration | | adding details that expand, enrich, or embellish. | choose a strategy to multiply a fraction by a whole number and justify the choice. decide what worked and what didn't work with a particular strategy when solving word problems. | | | | | |
| Effort/Motivation/ | Persistence | working diligently and applying effective strategies to achieve a goal or solve a problem; continuing in the face of obstacles and competing pressures. | solve challenging fraction and geometric measurement problems using various strategies that promote a thorough understanding of concepts. | | | | | |

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Marking Period 2, Part 2

| | | | | Learning Experiences b | уГ | y Measurement Topic (MT) | | |
|------------|----------------------|-----------|--|---|----|--|--|--|
| | MT | | In school, your child will | | | At home, your child can | | |
| Number and | Operations - | Fractions | apply know repeated a number. <u>Example:</u> multiply a f problems a | whedge of unit fractions $(\frac{1}{2}, \frac{1}{3}, \frac{1}{4}$ etc.) to use ddition to show multiplication by a whole $\frac{1}{2} \times 4 = \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} = \frac{4}{2}$ fraction by a whole number to solve word and explain the answer. | • | ask questions to solve word problems that involve multiplying a fraction by a whole number. <u>Example</u>: In your family there are three children. Each child read 5/6 of an hour. How many total hours did everyone read? | | |
| | Measurement and Data | | use a protr draw angle discuss diff angles. <u>Example:</u> T 90° angle. 90°; like 30 use 3 or m combinatic solve real and fractio | ractor to measure different types of angles. s of a given measurement. Ferent ways to compose and decompose There are many ways I could compose a I could use any two angles that add up to 0° and 60°, 10° and 80°, or 1° and 89°. If I fore angles, there are even more angle ons whose sum is 90°. world problems involving measurement ns. | • | use a protractor to measure the angles of plane figures around the house. Draw some angles and measure them. Create a picture using the angles. ask questions to solve word problems that involve fractions and measurement. <u>Example:</u> Bus drivers work 4 1/4 hours per day. How long do they work in five days? | | |
| | Geometry | | use shapes and rubber materials t features. identify geo | , geoboards (a wooden board with pegs) ⁻ bands, pattern blocks, maps, and other o identify, analyze, and create geometric ometric features in solid figures. | • | identify real-world examples of angles, lines, quadrilaterals and triangles. play "Guess My Rule." In this game, collect and sort everyday items and guess the rule for sorting them according to their line or angle properties. Then reverse roles. | | |