

Fifth Grade Mathematics Newsletter

Marking Period 4, Part 1

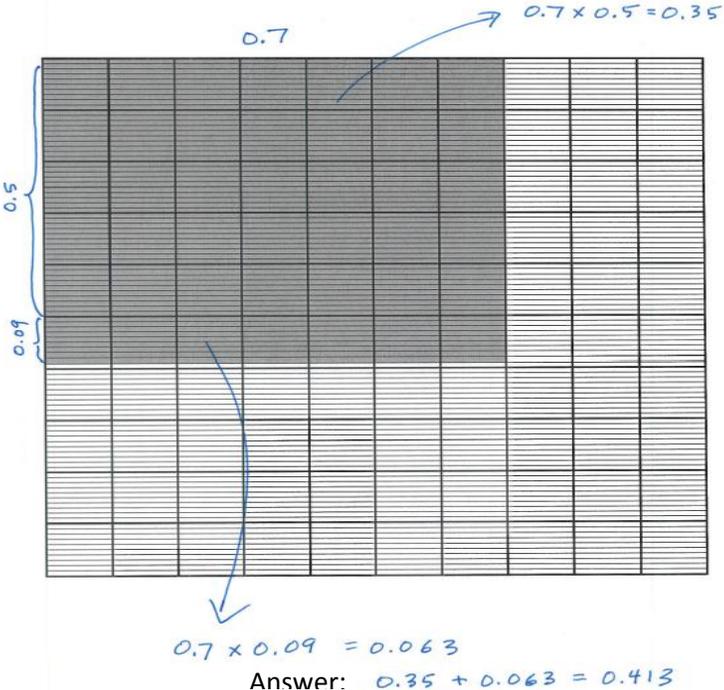
| Learning Goals by Measurement Topic (MT) <u>Students will be able to . . .</u> | |
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| Number and Operations in Base Ten | <ul style="list-style-type: none"> fluently multiply multi-digit whole numbers using the standard algorithm and other efficient methods. multiply and divide a decimal by a whole number. multiply and divide a decimal by a decimal using various strategies. solve measurement word problems involving decimals using the four operations and place value knowledge. solve multiple-step, real-world problems involving units of measurement. |
| Measurement and Data | <ul style="list-style-type: none"> convert units of measurement within a given measurement system to solve multiple-step, real-world problems. <div style="text-align: center;">  </div> |

| Thinking and Academic Success Skills (TASS) | | |
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| | <u>It is . . .</u> | <u>In mathematics, students will . . .</u> |
| Evaluation | weighing evidence, examining claims, and questioning facts to make judgments based on criteria. | <ul style="list-style-type: none"> determine decimal factors and products by interpreting an array. justify how place value is used to divide decimals. question whether given measurement conversions are reasonable. determine how to relate decimals and fractions to solve 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. | <ul style="list-style-type: none"> pursue effective strategies to solve multiplication and division problems. self-check the effectiveness of strategies when dividing decimals and converting measurement units. face challenging word problems about measurement and develop a plan for achievement. |

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Learning Experiences by Measurement Topic (MT)

| MT |  <u>In school, your child will . . .</u> |  <u>At home, your child can . . .</u> |
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| Number and Operations in Base Ten | <ul style="list-style-type: none"> use an area model to determine the product of two decimals (both factors less than 1.00). <u>Example:</u> $0.7 \times 0.59 = \underline{\quad}$  | <ul style="list-style-type: none"> use place value strategies to divide a decimal by a decimal or whole number. <u>Example:</u> Cut string or yarn that is 2.4 meters into 3 equal parts. Two and four tenths is equivalent to twenty-four tenths. Twenty-four tenths divided into 3 equal groups results in 8 tenths in each group. apply effective strategies to solve measurement word problems. <u>Examples:</u> <ul style="list-style-type: none"> Find packages of items at the grocery store and determine how much an individual item would cost. Evaluate whether it is cheaper to buy the package or individual items. use the price per gallon of gas to evaluate the cost to fill different size cars.  <p><u>Websites to support learning:</u> http://www.ixl.com/math/grade-5 http://media2.school.eb.com/learningmaterials/games/GM_6_17/GM_6_17.htm</p> |
| Measurement and Data | <ul style="list-style-type: none"> use the relationship between units of measurement to convert within a system. <u>Example:</u> 1cm is 10 times greater than 1mm, so 3.1 cm is 31mm. | <ul style="list-style-type: none"> convert units of measurement to solve multi-step word problems. <u>Example:</u> Each person at a picnic gets $\frac{1}{2}$ cup of ice-cream. If there are 24 people at the picnic, how many quarts of ice-cream are needed in all? |

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