

Fifth Grade Unit 8-

Application of Measurement, Computation, Graphing

In this unit students will:

- Students will use place value understanding to round decimals to any place.
- Students will add, subtract, multiply, and divide decimals to hundredths, using manipulatives, drawings, or place-value strategies; explain their computation methods.
- Students will multiply a fraction or a whole number by a fraction.
- Students will compare the size of a product to one factor, based on the size of the other factor; explain the effects of multiplying by fractions greater than or less than 1; explain the effects of multiplying by fractions equal to 1.
- Students will solve real-world problems involving multiplication of fractions and mixed numbers.
- Students convert among different-sized standard measurement units within a given measurement system, and use these conversions in solving multi-step, real-world problems.
- Students understand and use a Cartesian coordinate grid in two dimensions.
- Students represent real world and mathematical problems by graphing points in the first quadrant of the coordinate plane, and interpret coordinate values of points in the context of the situation.

Ideas for Home:

- Ask your child to measure the lengths of two objects using a ruler. Then ask him/her to calculate the sum and difference of their lengths.
- Ask your child to explain how to use the fraction operation keys on his/her calculator. For example, ask your child to show you how to enter fractions and mixed numbers, simplify fractions, and convert between fractions and decimals.
- Help your child identify advertisements in signs, newspapers and magazines that use percents. Help your child find the sale price of an item that is discount by a certain percent. For example, a \$40 shirt reduced by 25% costs \$30.

Please note: The activities above are not homework. They are suggestions for supporting learning at home. Please consult with your child's teacher for homework and specific suggestions related to your child's needs.

Websites:

- 1.) <http://www.sheppardsoftware.com/math.htm>
- 2.) <https://www.ixl.com/math/grade-5>
- 3.) <https://www.turtlediary.com/games/fifth-grade.html>
- 4) <https://cainc.i-ready.com>



