

Fifth Grade Unit 4-

Decimal Concepts/Coordinate Grids

In this unit students will:

- Understand the relationship between the places in multidigit numbers.
- Read and write decimals using numerals and number names.
- Represent decimals and read/write decimals in expanded form.
- Compare and order decimals.
- Record decimal comparisons using $>$, $=$, or $<$.
- Use place-value understanding to round decimals to any place.
- Interpret coordinate values of points in context.
- Represent problems by graphing points in the first quadrant.
- Form ordered pairs from corresponding terms of patterns and graph them.
- Add and subtract decimals using models and strategies.
- Explain decimal addition and subtraction strategies.
- Make and use estimates for decimal addition and subtraction problems.

Ideas for Home:

- Help your child find decimals in the real world. For example, amounts of money are almost always written in dollars and cents and include decimal points.
- Think of simple real-world decimal addition and subtraction problems and have your child solve them. For example: A baby weighs 7.09 pounds. Another baby weighs 8.14 pounds. What's the difference in their weights?
- Practice using maps that contain a grid with your child. Have him or her use the grid and index to find different locations on the map.
- Practice writing numbers in standard notation or expanded form. The number 3.924 is written in standard notation. The examples below show 3.924 using different versions of expanded form.

$$\bullet 3 + 0.9 + 0.02 + 0.004$$

$$\bullet 3 \text{ ones} + 9 \text{ tenths} + 2 \text{ hundredths} + 4 \text{ thousandths}$$

$$\bullet (3 * 1) + (9 * 0.1) + (2 * 0.01) + (4 * 0.001)$$

$$\bullet (3 * 1) + (9 * \frac{1}{10}) + (2 * \frac{1}{100}) + (4 * \frac{1}{1,000})$$

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>

