

Grade 4 Mathematics Unit Preview

Quarter 3: Number Relationships and Computation (Decimals)

Objectives: (Your student will be able to)

- **Read, write, and represent a decimal number through hundredths.** For example, 2.36 is read two and thirty-six hundredths.
- **State the value of each digit in a given decimal through hundredths.** For example, 2.36, the value of the three is 3 tenths.
- **Compare (using $<$, $>$, $=$) and order decimals through hundredths and locate their position on a number line.**
- **Identify the relationship between common fractions and decimals.** For example, $0.5 = \frac{5}{10}$.
- **Identify equivalent decimals through hundredths.** For example, 2.3 is equivalent to 2.30.
- **Add and subtract decimals through hundredths.**
- **Estimate the value of a decimal as being close to zero, one-half, or one.**
- **Solve word problems involving money in real-life situations including making change.**

Vocabulary: (Words your student will need to understand)

• Decimal Point: A symbol that separates dollars and cents in money, and the ones place from the tenths place in decimal numbers.	• Decimal: A number system (based on 10) with one or more digits to the right of the decimal point.
• Compare: Tell how a number is related to another number	• Estimate: To find a number close to an exact amount

Activities to do with your student (in addition to homework, optional):

- Use centimeter paper to draw decimals.
- Relate dimes to tenths and pennies to hundredths and make up decimals using dimes and pennies.
- Use a menu and add and subtract money.
- Roll dice to make decimal numbers. Find the common fraction that is equivalent to your decimal -or- Decide if the decimal is close to 0, $\frac{1}{2}$, or 1 -or- Write a decimal that is equivalent to the one that was made.
- Write decimal numbers in expanded form.
- Write decimal numbers in word form.
- Identify decimals in a newspaper.
- Estimate and find the sums and differences of items at a store or in a catalog.
- Find the sum or difference of a decimal problem vertically and horizontally.
- Practice multiplication and division facts.

