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| ***IMPORTANT CONCEPTS YOUR STUDENT SHOULD KNOW AND ACTIVITIES TO DO AT HOME*** | |
| **Fractions and Decimals** | |
| **Important Concepts Addressed in this Unit** | |
| * Write a fraction with a denominator of 10 as an equivalent fraction with a denominator of 100 * Add two fractions with denominators of 10 and 100 * Use decimal grids to show equivalent fractions with denominators of 10 and 100 * Write fractions with denominators of 10 and 100 as a decimal | * Represent fractions and decimals of tenths and hundredths on a number line * Compare two decimals to hundredths * Justify comparisons by using a model * Solve word problems involving fractions or decimals |
| **Key Words To Know** | **How You Can Help Your Student** |
| ***Fraction***: A way to describe a part of a whole or a part of a group by using equal parts.  ***Numerator***: The number written above the line in a fraction. It tells how many equal parts are in the fraction.  ***Denominator***: The number written below the line in a fraction. It tells how many equal parts are in the whole.  ***Equivalent***: Fractions that have the same value.  ***Model:*** Using graphs, pictures, manipulatives, etc to demonstrate  ***Decimal:*** A fraction whose denominator is a power of ten and whose numerator is expressed by figures placed to the right of a decimal point.  ***Tenths:*** The place value directly to the right of the decimal, or a fraction with the denominator of 10.  ***Hundredths:*** The place value two digits to the right of the decimal (directly to the right of the tenths place), or a fraction with the denominator of 100. | **Interactive Learning Games:** Playing games is a wonderful way to practice skills at home in a fun environment**.**  <https://www.mathgames.com/skill/4.123-equal-fractions-with-denominators-of-10-100-1000>  <https://www.mathgames.com/skill/4.124-decompose-fractions-with-denominators-of-10-100-1000>  <https://www.mathgames.com/skill/4.125-add-fractions-with-denominators-of-10-100-1000>  <https://www.mathgames.com/skill/4.72-compare-decimal-numbers-up-to-2-places>  <https://www.mathgames.com/skill/4.73-put-decimal-numbers-in-order-with-numbers-up-to-5>  <https://www.splashmath.com/decimal-games-for-4th-graders>  <http://www.sheppardsoftware.com/mathgames/menus/decimals.htm>  [https://www.mathplayground.com/ASB\_SnowSprint.htm](https://www.mathplayground.com/ASB_SnowSprint.html)  <https://www.mathplayground.com/interactive_decimal_chart.html>[l](https://www.mathplayground.com/ASB_SnowSprint.html) |

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| **Sample Problems** |
| Example: .3 = 3 tenths = 3/10 .30 = 30 hundredths = 30/100   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Hundreds** | **Tens** | **Ones** | **.** | **Tenths** | **Hundredths** | |  |  |  | . | 3 | 2 |   can be expanded to and  Students represent these values as 0.32 or on a number line. is more than (or ) and less than (or ). It is closer to so it would be placed on the number line near that value.    0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 |