

School-Home Letter



Dear Family,

During the next few weeks, our math class will relate both fractions and money to place value. We will learn how to rename fractions as decimals. We will also add fractional parts of 10 and 100 and compare decimals through hundredths.

You can expect to see homework that provides practice with naming decimals in different ways, including renaming decimals as fractions.

Here is a sample of how your child will be taught to write a decimal as a fraction.

Model Write a Decimal as a Fraction

This is how we will use place value to help write a decimal as a fraction.

Ones	.	Tenths	Hundredths
0	.	6	4

↑
decimal point

Think: 0.64 is the same as 6 tenths and 4 hundredths, or 64 hundredths.

$$\text{So, } 0.64 = \frac{64}{100}.$$

Vocabulary

decimal A number with one or more digits to the right of the decimal point

decimal fraction A decimal fraction has a denominator of 10 or 100

decimal point A symbol used to separate dollars from cents in money amounts and to separate the ones and tenths places in a decimal

equivalent decimals Two or more decimals that name the same amount

hundredth One of one hundred equal parts

tenth One of ten equal parts

The Multilingual Glossary is available online.

TIPS

Place-Value Chart

A place-value chart can be used to help visually organize numbers in relation to the decimal place. The chart can be used to pair the numbers with words, and may enable a smooth transition between standard form, word form, and the decimal or fraction.

Activity

Work together to express the value of a penny, nickel, dime, and quarter as a decimal and as a fraction of a dollar. Then make small groups of coins and help your child write the value of each group as a decimal and as a fraction.