

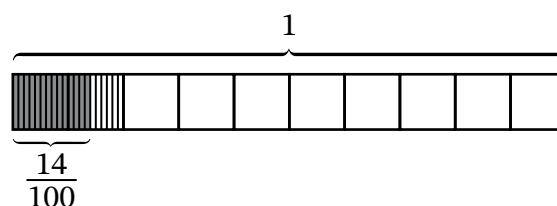
FAMILY MATH

Tenths and Hundredths

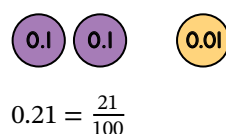
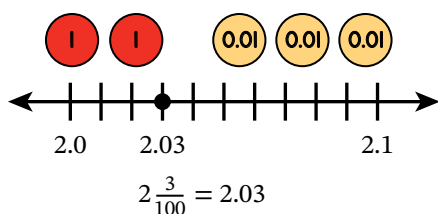
Dear Family,

Recently, your student was introduced to the place value unit called tenths. Now they explore hundredths as another place value unit. They learn that there is a relationship between tenths and hundredths. They see that hundredths can be composed of both tenths and hundredths. They write mixed numbers in decimal form and represent the numbers by using a number line and place value disks. Using models to understand tenths and hundredths supports your student in later lessons when they compare, add, and subtract decimal numbers.

Key Term
hundredths

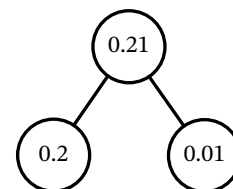


Students use models to decompose 1 tenth into 10 equal parts that each represent 1 hundredth. They write 1 hundredth as $\frac{1}{100}$ or 0.01.

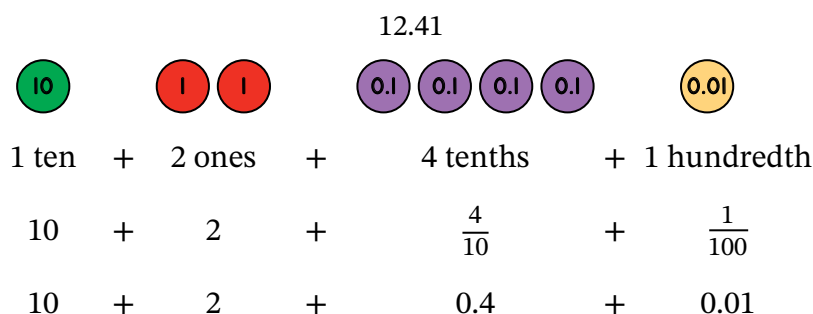


$$0.21 = \frac{21}{100}$$

21 hundredths = 2 tenths 1 hundredth



Students represent decimal numbers with place value disks, number lines, and number bonds to explore relationships between place value units.



1 ten + 2 ones + 4 tenths + 1 hundredth

$$10 + 2 + \frac{4}{10} + \frac{1}{100}$$

$$10 + 2 + 0.4 + 0.01$$

Students represent decimal numbers in expanded form. Expanded form helps students recognize the value of each digit in a number.

At-Home Activities

Money Play

Help your student play with money to reinforce place value concepts. Use 3 dollars, 9 dimes, and 9 pennies to model decimal numbers to the hundredths. If you do not have real money readily available, draw dollars, dimes, and pennies on paper and cut out each bill and coin. Remind your student that 1 dollar represents 1 one, 1 dime represents 1 tenth, and 1 penny represents 1 hundredth. On a piece of paper write the prices for snacks your student may want to buy such as a glass of milk, a cup of juice, or a piece of fruit. Ask your student to use the money to buy individual items. Then change roles. Ask your student to write the prices for other snacks. Have your student read the prices. Then pay your student for each snack.

Decimal Scavenger Hunt

While out in the community together, challenge your student to look for decimal numbers such as the price for a gallon of gas or the weight of fruit or vegetables at the grocery store. When they find an example of a decimal number, invite them to say the number in context, in standard form, and in expanded form. For example, your student might say, “The gas station sign says the price of 1 gallon of gas is 2 dollars and 89 cents. I can read the decimal number as 2 and 89 hundredths. In expanded form, the number is 2 ones + 8 tenths + 9 hundredths.”