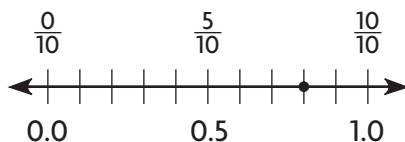


Name \_\_\_\_\_

## Relate Tenths and Decimals

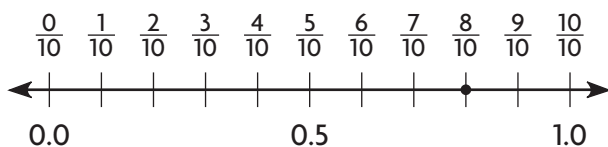
Write the fraction and the decimal that are shown by the point on the number line.



**Step 1** Count the number of equal parts of the whole shown on the number line. There are ten equal parts.

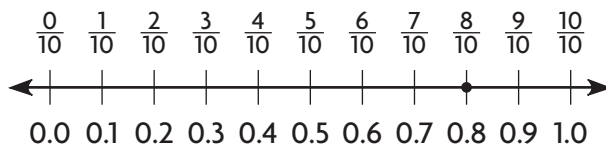
This tells you that the number line shows tenths.

**Step 2** Label the number line with the missing fractions. What fraction is shown by the point on the number line?



The fraction shown by the point on the number line is  $\frac{8}{10}$ .

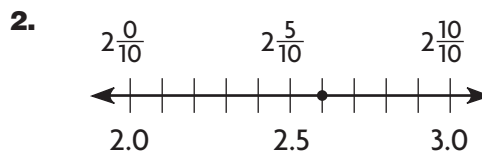
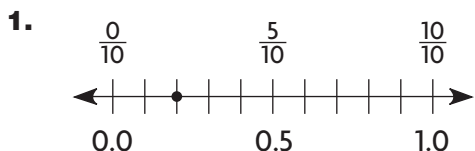
**Step 3** Label the number line with the missing decimals. What decimal is shown by the point on the number line?



The decimal shown by the point on the number line is **0.8**.

So, the fraction and decimal shown by the point on the number line are  $\frac{8}{10}$  and **0.8**.

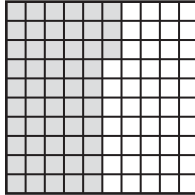
Write the fraction or mixed number and the decimal shown by the model.



Name \_\_\_\_\_

## Relate Hundredths and Decimals

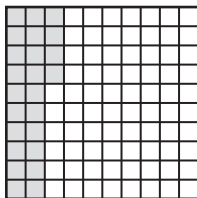
Write the fraction or mixed number and the decimal shown by the model.



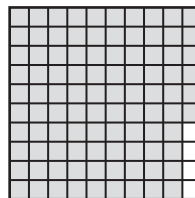
<p><b>Step 1</b> Count the number of shaded squares in the model and the total number of squares in the whole model.</p>	<p>Number of shaded squares: <b>53</b> Total number of squares: <b>100</b></p>
<p><b>Step 2</b> Write a fraction to represent the part of the model that is shaded.</p>	<p><math>\frac{\text{Number of Shaded Squares}}{\text{Total Number of Squares}} = \frac{53}{100}</math> The fraction shown by the model is <math>\frac{53}{100}</math>.</p>
<p><b>Step 3</b> Write the fraction in decimal form.</p>	<p><b>Think:</b> The fraction shown by the model is <math>\frac{53}{100}</math>.  <b>0.53</b> names the same amount as <math>\frac{53}{100}</math>.  The decimal shown by the model is <b>0.53</b>.</p>
<p>The fraction and decimal shown by the model are <math>\frac{53}{100}</math> and <b>0.53</b>.</p>	

Write the fraction or mixed number and the decimal shown by the model.

1.



2.



\_\_\_\_\_

\_\_\_\_\_

Name \_\_\_\_\_

## Equivalent Fractions and Decimals

Lori ran  $\frac{20}{100}$  mile. How many tenths of a mile did she run?

Write  $\frac{20}{100}$  as an equivalent fraction with a denominator of 10.

**Step 1 Think:** 10 is a common factor of the numerator and the denominator.

**Step 2** Divide the numerator and denominator by 10.

$$\frac{20}{100} = \frac{20 \div 10}{100 \div 10} = \frac{2}{10}$$

So, Lori ran  $\frac{2}{10}$  mile.

Use a place-value chart.

**Step 1** Write  $\frac{20}{100}$  as an equivalent decimal.

Ones	·	Tenths	Hundredths
0	·	2	0

**Step 2 Think:** 20 hundredths is 2 tenths 0 hundredths

Ones	·	Tenths
0	·	2

So, Lori ran **0.2** mile.

Write the number as hundredths in fraction form and decimal form.

1.  $\frac{9}{10}$

2. 0.6

3.  $\frac{4}{10}$

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Write the number as tenths in fraction form and decimal form.

4.  $\frac{70}{100}$

5.  $\frac{80}{100}$

6. 0.50

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Name \_\_\_\_\_

# Relate Fractions, Decimals, and Money

Write the total money amount. Then write the amount as a fraction and as a decimal in terms of a dollar.



**Step 1** Count the value of coins from greatest to least. Write the total money amount.



\$0.25 → \$0.35 → \$0.40 → \$0.45 → \$0.50

**Step 2** Write the total money amount as a fraction of a dollar.

The total money amount is \$0.50, which is the same as 50 cents.

**Think:** There are 100 cents in a dollar.

So, the total amount written as a fraction of a dollar is:

$$\frac{50 \text{ cents}}{100 \text{ cents}} = \frac{50}{100}$$

**Step 3** Write the total money amount as a decimal.

**Think:** I can write \$0.50 as 0.50.

The total money amount is  $\frac{50}{100}$  written as a fraction of a dollar, and 0.50 written as a decimal.

Write the total money amount. Then write the amount as a fraction or a mixed number and as a decimal in terms of a dollar.

1.



2.

