

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 4 $\frac{\quad}{10}$

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

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

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

6 0.50
