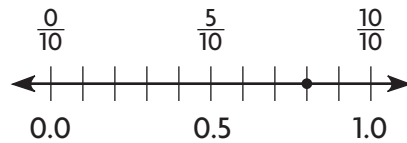# Relate Tenths and Decimals

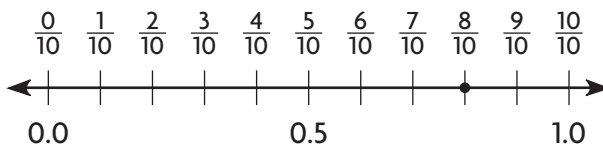**Write the fraction and the decimal that are shown by the point on the number line.**

$\frac{0}{10}$      $\frac{5}{10}$      $\frac{10}{10}$

0.0      0.5      1.0

**Step 1** Count the number of equal parts of the whole shown on the number line. There are ten equal parts.
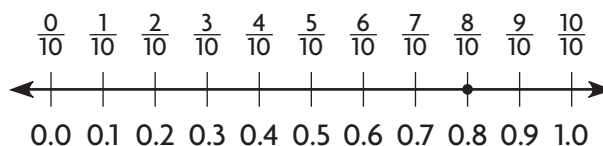
This tells you that the number line shows tenths.

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

$\frac{0}{10}$ $\frac{1}{10}$ $\frac{2}{10}$ $\frac{3}{10}$ $\frac{4}{10}$ $\frac{5}{10}$ $\frac{6}{10}$ $\frac{7}{10}$ $\frac{8}{10}$ $\frac{9}{10}$ $\frac{10}{10}$

0.0      0.5      1.0

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

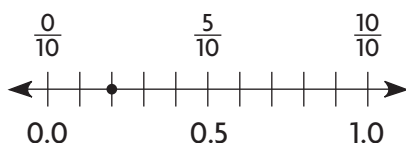**Step 3** Label the number line with the missing decimals. What decimal is shown by the point on the number line?

$\frac{0}{10}$ $\frac{1}{10}$ $\frac{2}{10}$ $\frac{3}{10}$ $\frac{4}{10}$ $\frac{5}{10}$ $\frac{6}{10}$ $\frac{7}{10}$ $\frac{8}{10}$ $\frac{9}{10}$ $\frac{10}{10}$

0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0

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.**

**1**

$\frac{0}{10}$      $\frac{5}{10}$      $\frac{10}{10}$

0.0      0.5      1.0

**2**

$2\frac{0}{10}$      $2\frac{5}{10}$      $2\frac{10}{10}$

2.0      2.5      3.0

_____      _____