Relate Fractions and Decimals

Fraction can be written as a decimal by dividing the numerator by the denominator.

$$\frac{\text{numerator}}{\text{denominator}} \hspace{0.2in} \textcircled{\$} \hspace{0.2in} \text{denominator} \hspace{0.2in} \text{numerator}$$

To write $\frac{4}{5}$ as a decimal, divide 4 by 5.

$$\frac{4}{5} = 5 \frac{0.8}{4.0} - \text{numerator}$$

$$\frac{4 \cdot 0}{0}$$

denominator

Examples:

A- Write each fraction as a decimal.

1)
$$\underline{2} \rightarrow 0.4$$
5 $5)2.0$
20
00

You can write a fraction or a decimal to tell what part is shaded.

Model	Fraction	Decimal	Read
	4 shaded parts 100 parts	O T H O O 4	four hundredths
	26 shaded parts 100 parts	O T H O 2 6	Twenty- six hundredths

Examples:

A- Write each decimal as a fraction.

q

5

B- Write each fraction as a decimal.