

Thousandths

Example 1: Write 0.025 as a fraction.

Ones	.	Tenths	Hundredths	Thousandths
0	.	0	2	5

You can use a place-value chart to write a decimal as a fraction. Look at the place-value chart above. The place farthest to the right that contains a digit tells you the denominator of the fraction. In this case, it is thousandths. The number written in the place-value chart tells you the numerator of the fraction. Here, it is 25.

$$0.025 = \frac{25}{1,000}$$

Example 2: Write $\frac{11}{1,000}$ as a decimal.

Ones	.	Tenths	Hundredths	Thousandths
	.			

You can also use a place-value chart to write a fraction as a decimal. The denominator tells you the last decimal place in your number. Here, it is thousandths. The numerator tells you the decimal itself. Write a 1 in the hundredths place and a 1 in the thousandths place. Fill in the other places with a 0.

$$\frac{11}{1,000} = 0.011$$

Write each decimal as a fraction.

1. 0.002 _____

2. 0.037 _____

3. 0.099 _____

Write each fraction as a decimal.

4. $\frac{5}{1,000}$ _____

5. $\frac{76}{1,000}$ _____

6. $\frac{40}{1,000}$ _____

7. Matt reasoned that he can write $\frac{9}{1,000}$ as 0.9. Is he correct? Explain your answer.
