

# 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.

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Name \_\_\_\_\_

# Thousandths

Write each decimal as either a fraction or a mixed number.

1. 0.007 \_\_\_\_\_      2. 0.052 \_\_\_\_\_

3. 0.038 \_\_\_\_\_      4. 0.259 \_\_\_\_\_

5. 3.020 \_\_\_\_\_      6. 4.926 \_\_\_\_\_

Write each fraction as a decimal.

7.  $\frac{73}{1,000}$  \_\_\_\_\_      8.  $\frac{593}{1,000}$  \_\_\_\_\_

9.  $\frac{854}{1,000}$  \_\_\_\_\_      10.  $\frac{11}{1,000}$  \_\_\_\_\_

11.  $\frac{5}{1,000}$  \_\_\_\_\_      12.  $\frac{996}{1,000}$  \_\_\_\_\_

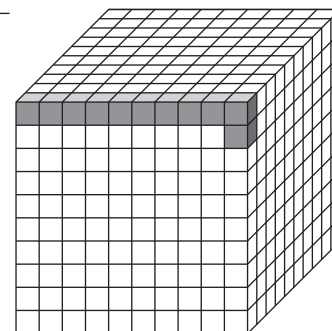
Write the numbers in order from least to greatest.

13.  $\frac{5}{1,000}$ , 0.003,  $\frac{9}{1,000}$  \_\_\_\_\_

14. 0.021, 0.845,  $\frac{99}{1,000}$  \_\_\_\_\_

15. Look at the model at the right. Write a fraction and a decimal that the model represents.

\_\_\_\_\_



16. In Tasha's school, 0.600 of the students participate in a school sport. If there are one thousand students in Tasha's school, how many participate in a school sport?

- A** 6,000      **B** 600      **C** 60      **D** 6

17. Explain how knowing that  $5 \div 8 = 0.625$  helps you write the decimal for  $4\frac{5}{8}$ .

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