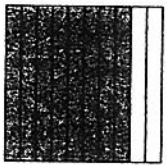
Name _____

Reteaching
1-2

Tenths and Hundredths

Fractions can also be named using decimals.



8 out of 10 sections are shaded.

The fraction is $\frac{8}{10}$.

The word name is eight tenths.

The decimal is 0.8.

Remember: the first place to the right of the decimal is tenths.

Write $\frac{2}{5}$ as a decimal.

Sometimes a fraction can be rewritten as an equivalent fraction that has a denominator of 10 or 100.

$\frac{2}{5} = \frac{2 \times 2}{5 \times 2} = \frac{4}{10}$

$\frac{4}{10} = 0.4$

So, $\frac{2}{5} = 0.4$.

Write $3\frac{3}{5}$ as a decimal.

First write the whole number.

3

Write the fraction as an equivalent fraction with a denominator of 10.

Change the fraction to a decimal.

$\frac{3}{5} = \frac{3 \times 2}{5 \times 2} = \frac{6}{10} = 0.6$

Write the decimal next to the whole number

3.6

So, $3\frac{3}{5} = 3.6$.

Write 0.07 as a fraction.

The word name for 0.07 is seven hundredths.

"Seven" is the numerator, and "hundredths" is the denominator.

So, $0.07 = \frac{7}{100}$.

Remember: the second place to the right of the decimal is hundredths.

Write each fraction or mixed number as a decimal.

1. $\frac{1}{5}$ _____ **2.** $\frac{6}{25}$ _____ **3.** $2\frac{3}{4}$ _____ **4.** $3\frac{9}{10}$ _____

Write each decimal as a fraction or mixed number.

5. 1.25 _____ **6.** 3.29 _____

7. 0.65 _____ **8.** 5.6 _____

9. Dan says $\frac{3}{5}$ is the same as 3.5. Is he correct? Explain.

_____

_____

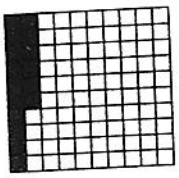
Name _____

Practice
1-2

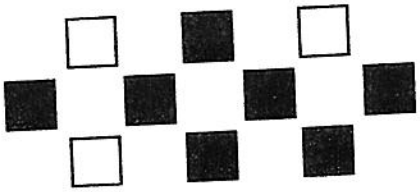
Tenths and Hundredths

Write a decimal and fraction for the shaded portion of each model.

1.



2.



_____ _____ _____ _____

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

3. 0.6 _____ **4.** 0.73 _____

5. 6.9 _____ **6.** 8.57 _____

Write each fraction or mixed number as a decimal.

7. $\frac{7}{10}$ _____ **8.** $\frac{33}{100}$ _____

9. $7\frac{2}{10}$ _____ **10.** $3\frac{9}{100}$ _____

Use division to change each fraction to a decimal.

11. $\frac{4}{5}$ _____ **12.** $\frac{12}{25}$ _____

13. $\frac{1}{50}$ _____ **14.** $\frac{11}{20}$ _____

15. When you convert 0.63 to a fraction, which of the following could be the first step of the process?

A Since there are 63 hundredths, multiply 0.63 and 100.

B Since there are 63 tenths, divide 0.63 by 10.

C Since there are 63 tenths, place 63 over 10.

D Since there are 63 hundredths, place 63 over 100.

Name _____

Reteaching
1-3

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.

_____

_____

_____

Name _____

Practice
1-3

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 _____

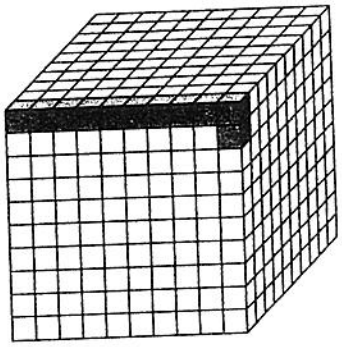
Write each fraction as a decimal.

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 $4\frac{5}{8}$.

_____

_____

