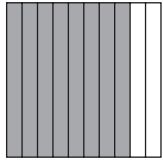


# Tenths and Hundredths

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.

---

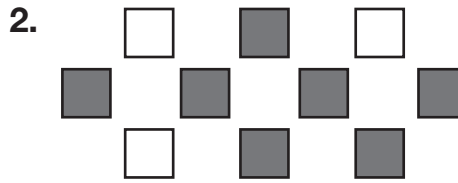
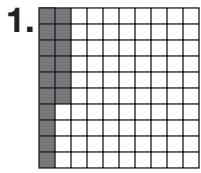


---

Name \_\_\_\_\_

# Tenths and Hundredths

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



\_\_\_\_\_

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.