

# MY Homework

## Lesson 5

### Decimals and Fractions

## Homework Helper



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Write  $\frac{5}{10}$  as an equivalent fraction with a denominator of 100 and as a decimal.

Use a model to show  $\frac{5}{10}$ .

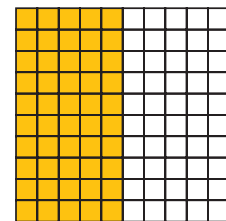
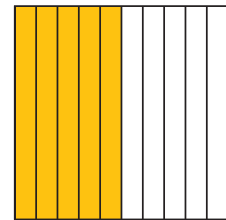
**1** Write  $\frac{5}{10}$  as a fraction with a denominator of 100.

Five tenths of the tenths grid are shaded.

On the hundredths grid, squares were shaded so that the same fraction on the two grids is shaded.

Fifty squares on the hundredths grid are shaded.

The decimal models show that  $\frac{5}{10}$  is equivalent to  $\frac{50}{100}$ .



**2** Write the fraction as a decimal.

Think of  $\frac{5}{10}$  as *five tenths*. So,  $\frac{5}{10} = 0.5$ .

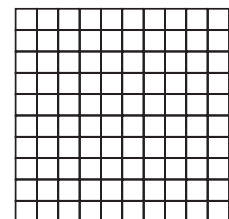
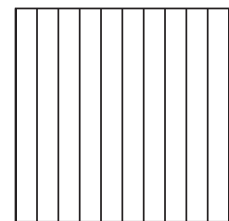
So,  $\frac{5}{10}$  can be written as  $\frac{50}{100}$  and 0.5.

## Practice

- Write  $\frac{4}{10}$  as an equivalent fraction with a denominator of 100. Shade the grids to show that the fractions are equivalent. Then write the fraction as a decimal.

Fraction:  $\frac{\square}{\square}$

Decimal: \_\_\_\_\_






## Problem Solving

2. Of Cadence's paintbrushes,  $\frac{2}{10}$  were used to paint a picture. Write  $\frac{2}{10}$  as a fraction with a denominator of 100. Then write the fraction as a decimal.
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3. Of the trees in a park,  $\frac{6}{10}$  have red leaves. Write  $\frac{6}{10}$  as a fraction with a denominator of 100. Then write the fraction as a decimal.
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4. Of the menu items at a deli,  $\frac{9}{10}$  are sandwiches. Write  $\frac{9}{10}$  as a fraction with a denominator of 100. Then write the fraction as a decimal.
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5. **Mathematical PRACTICE**  **Find the Error** Marjorie wrote the fraction  $\frac{7}{10}$  as a fraction with a denominator of 100. She then wrote the fraction as a decimal. Find and correct her mistake. Explain.

$$\begin{aligned}\frac{7}{10} &= \frac{7}{100} \\ &= 0.07\end{aligned}$$

Masterpiece!



## Test Practice

6. Which fraction is equivalent to  $\frac{8}{10}$ ?
- (A)  $\frac{8}{100}$                       (C)  $\frac{8}{1}$
- (B)  $\frac{80}{100}$                       (D)  $\frac{80}{10}$