

Name _____



Solve & Share

In a pet store, 7 out of 10 customers have a dog as a pet. Make a model to show this relationship. *Solve this problem any way you choose.*

You can select and use tools. There is more than one tool that can be used to model this relationship. *Show your work in the space below!*

Lesson 1-8

Fractions and Decimals

TEKS 4.2G Relate decimals to fractions that name tenths and hundredths. Also, 4.2E.
Mathematical Process Standards 4.1C, 4.1D, 4.1F

Digital Resources at PearsonTexas.com



Solve



Learn



Glossary



Check



Tools



Games



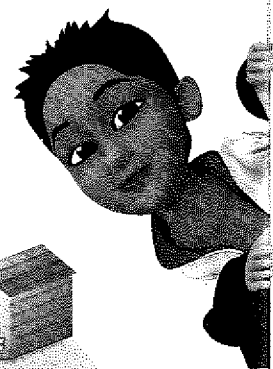
Look Back!

Number Sense Write the relationship 7 out of 10 as a fraction and as a decimal.

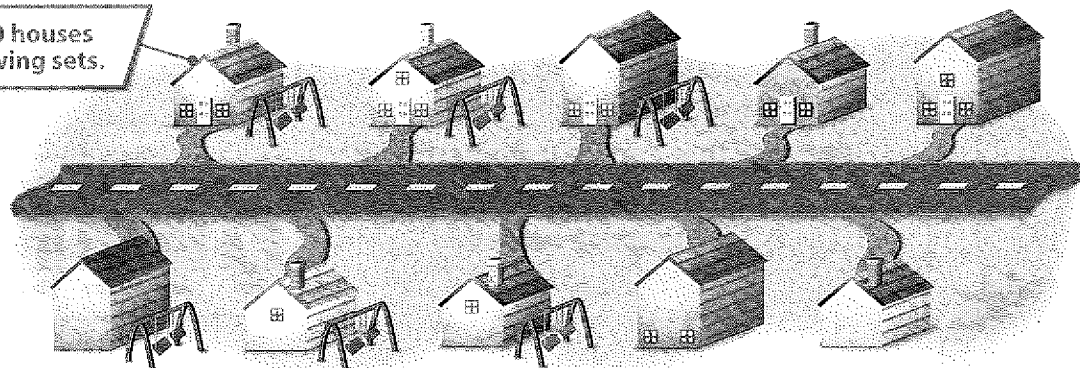
How Can You Write a Fraction as a Decimal?

On Kelsey Street, 6 out of 10 homes have swing sets in their backyards. Write $\frac{6}{10}$ as a decimal.

A decimal is another name for a fraction.

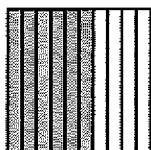


6 of 10 houses have swing sets.



Write $\frac{6}{10}$ as a decimal. Use a grid to help.

$\frac{6}{10}$ is six tenths, or 0.6.

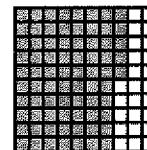


$$\frac{6}{10} = 0.6$$

So, 0.6 of the houses have swing sets.

In Rolling Hills, 75 out of 100 houses are two-story homes. Write $\frac{75}{100}$ as a decimal.

$\frac{75}{100}$ is seventy-five hundredths, or 0.75.



$$\frac{75}{100} = 0.75$$

So, 0.75 houses are two-story homes.

Do You Understand?

Convince Me! Would the decimal models for 0.6 and 0.60 be the same or different? Draw to explain.

