MY Homework

Lesson 4

Hands On: Model Decimals and Fractions

Homework Helper

eHelp

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Write 0.7 as a fraction with a denominator of 10.

1 **Write the decimal in the place-value chart.**

Ones	Tenths	Hundredths

| 0 | 7 | |

0.7 means *seven tenths* →

2 **Use a grid to represent seven tenths.**

The model shows seven of the ten equal parts are shaded.
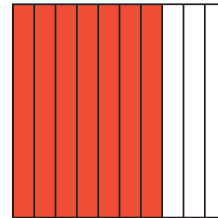
3 **Write a fraction.**

$$\frac{7}{10}$$

← number of shaded parts

← total number of parts

Think of *seven tenths* as $\frac{7}{10}$.

So, $0.7 = \frac{7}{10}$.

Check

The number line shows that 0.7 is 7 out of 10 or $\frac{7}{10}$.

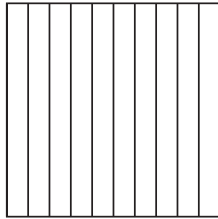0   0.1   0.2   0.3   0.4   0.5   0.6   0.7   0.8   0.9   1
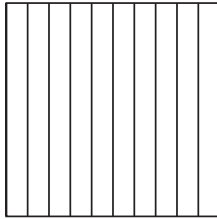
7 parts out of 10 equal parts

Practice

Write each decimal as a fraction with a denominator of 10. Shade the grid.

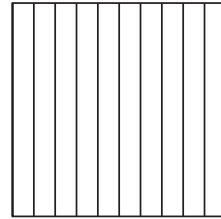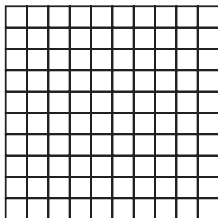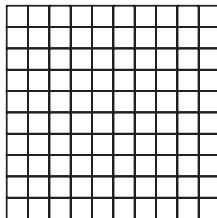**1.** 0.1 = _____

2. 0.3 = _____

3. 0.9 = _____

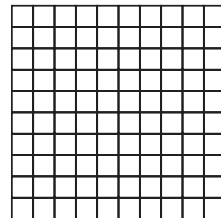**Write each decimal as a fraction with a denominator of 100. Shade the grid.**

4. 0.17 = _____

5. 0.24 = _____

6. 0.88 = _____

Problem Solving

Mathematical PRACTICE 4 **Model Math** For Exercises 7–9, refer to the table that shows the part of pets that Josiah's family has for each type of pet.

Type of Pet	Part
Cat	0.2
Dog	0.1
Rabbit	0.2
Fish	0.4
Reptile	0.1

7. Write the part of pets that are cats as a fraction with a denominator of 10.

_____

8. Write the part of pets that are fish as a fraction with a denominator of 10.

_____

9. Write the part of pets that are fish as a fraction with a denominator of 100.

_____