

NAME: \_\_\_\_\_



## Purpose

To understand decimal division and make sense of the quotient

## Math Words

**divided into**

3 divided into 6 parts is equal to  $\frac{1}{2}$ , or 0.5.

**divided by**

6 divided by 3 is 2.

3 divided by 6 is  $\frac{1}{2}$ .

$$6 \div 3 = 2$$

$$3 \div 6 = \frac{1}{2}$$

$$3 \overline{)6} = 2$$

$$6 \overline{)3} = \frac{1}{2}$$

$$\frac{6}{3} = 2$$

$$\frac{3}{6} = \frac{1}{2}$$

**quotient**

The quotient is the answer you get when you divide.

## Starter Problem

Solve.

It rained 0.8 inch over a 5-hour period on Tuesday.

What was the average rainfall per hour? \_\_\_\_\_

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## Student Thinking

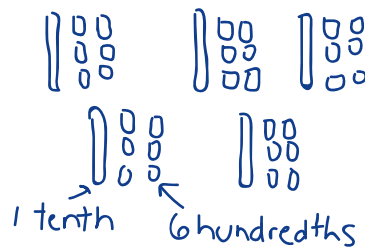


Barb

I could divide 8 tenths, 80 hundredths, or 800 thousandths into 5 equal parts. 80 hundredths divided by 5 is 16 hundredths inch per hour. If I divide 8 tenths by 5 with the blocks, I get 1 tenth and 6 hundredths. It's the same!



$$\begin{array}{r} 0.16 \\ 5 \overline{) 0.80} \\ \underline{5} \phantom{0} \\ 30 \\ \underline{30} \\ 0 \end{array}$$



Andrew

I divided like whole numbers. Then I put in a decimal point and wrote in the remainder. It's 1 point 3.



$$\begin{array}{r} 1.3 \\ 5 \overline{) 0.8} \\ \underline{5} \phantom{0} \\ 3 \end{array}$$

## Things to Remember

- \* \_\_\_\_\_
- \* \_\_\_\_\_



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## Our Turn

Solve.

1. Judy and Lee took 6.2 pounds of dried food on a 4-day backpacking trip. How many pounds was that per day?

2.  $0.3 \div 6 =$  \_\_\_\_\_

3.  $5 \overline{)0.65} =$  \_\_\_\_\_

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## My Turn

Solve.

1. A fast-growing plant grew 14.2 inches in 4 weeks. How many inches is that per week?

2.  $0.2 \div 4 =$  \_\_\_\_\_

3.  $4 \overline{)0.2} =$  \_\_\_\_\_

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**Multiple Choice Mini Lesson**

Fill in the circle next to the answer you choose.

1. Adrian hiked a total of 4.5 miles on a 6-hour hike. How many miles did he average per hour?

☐ 0.73 miles    ☐ 7.3 miles    ☐ 0.75 miles    ☐ 7.5 miles

2.  $0.4 \div 5 =$  \_\_\_\_\_

☐ 0.8    ☐ 0.08    ☐ 12.5    ☐ 0.1



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NAME:

**Writing Task Mini Lesson**

Explain how you know that  $2.2 \div 5$  is equal to 0.44. You may draw a picture on the back to help you explain.

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NAME:

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