

REVIEW: Dividing Decimals

Name _____

Key Concept and Vocabulary

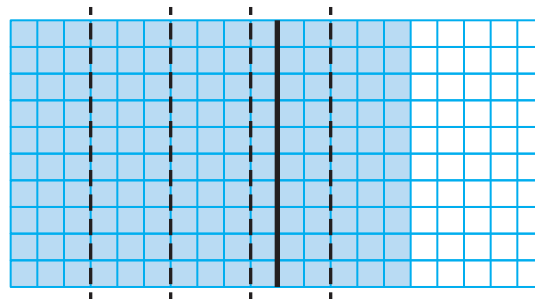
$$5.2 \overline{)31.72} \rightarrow 52 \overline{)317.2}$$

Move decimals 1 place.



Visual Model

$$1.5 \div 5 = 0.3$$



When you divide 1.5 into 5 equal groups, each group will be 0.3.

Skill Examples

- $65.3 \div 10 = 6.53$
- $65.3 \div 100 = 0.653$
- $65.3 \div 1000 = 0.0653$

Each time you divide a number by 10, each digit in the number shifts one position to the right in a place value chart.

Application Example

- A prize of \$104.32 is divided equally among four people. How much does each person get?

$$104.32 \div 4 = 26.08$$

Each person gets \$26.08.

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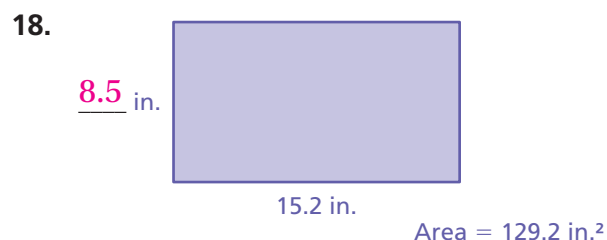


Check your answers at BigIdeasMath.com.

Find the quotient.

- $5.2 \div 10 = \underline{0.52}$
- $73.1 \div 100 = \underline{0.731}$
- $1500 \div 1000 = \underline{1.5}$
- $0.58 \div 2 = \underline{0.29}$
- $19.3 \div 1 = \underline{19.3}$
- $19.7 \div 0.1 = \underline{197}$
- $78.4 \div 1.4 = \underline{56}$
- $1000 \div 12.5 = \underline{80}$
- $3.42 \div 0.36 = \underline{9.5}$
- $18.98 \div 3.65 = \underline{5.2}$
- $4.5 \div 1.25 = \underline{3.6}$
- $29.45 \div 4.75 = \underline{6.2}$

Find the width of the rectangle.



- DRIVING TRIP** You drive 1400 miles in 3.5 days. You drive an equal number of miles each day. How many miles do you drive each day? 400 mi