

Divide Decimals by Whole Numbers Homework

When you divide a decimal by a whole number, place the decimal point in the quotient above the decimal point in the dividend. Then divide as you do with whole numbers.

Example 1

Find $8.73 \div 9$.

$$\begin{array}{r} 0.97 \\ 9 \overline{)8.73} \\ \underline{-81} \\ 63 \\ \underline{-63} \\ 0 \end{array}$$

Place the decimal point directly above the decimal point in the dividend.

Divide as with whole numbers.

$$8.73 \div 9 = 0.97$$

Practice Problems: Find the quotient.

1.) $25.2 \div 4$

2.) $147.2 \div 8$

3.) $65.28 \div 12$

Check Understanding:

4.) A 3-pack of juice costs \$1.09. A 12-pack of juice costs \$4.39. A case of 15 juices costs \$8.79. Which is the best buy? Explain your reasoning. Show all work and check your answer.

M6- Chapter 3, Lesson 8: Divide Decimals by Decimals Homework

Directions: Show all long division work to solve. Use your Passport to help with division. Check your answers!

1.) $22.47 \div 0.7$

Check:

2.) $0.025 \div 0.5$

Check:

3.) $7.224 \div 0.08$

Check:

4.) $0.9 \div 0.12$

Check:

5.) $0.0868 \div 0.007$

Check:

6.) $0.0024 \div 0.6$

Check:

- 7.) About 24.8 million people live in Texas. About 0.6 million people live in Vermont. How many times as many people live in Texas than Vermont? Round your answer to the nearest tenth if necessary. Show all long division work to solve. Check your final answer.

Check:

Answer with label: _____