

Decimals

How do you divide decimals by whole numbers?

When you divide a decimal by a whole number, write the decimal point in the answer directly above the decimal point in the number being divided. Then continue as if you were dividing whole numbers.

Example

$$9.32 \div 4 = ?$$

Follow the sequence below:

Original Problem

$$4 \overline{)9.32}$$

Write a decimal in this position.

$$4 \overline{)9.32}$$

Complete the problem.

$$\begin{array}{r} 2.33 \\ 4 \overline{)9.32} \\ \underline{8} \\ 13 \\ \underline{12} \\ 12 \\ \underline{12} \\ 0 \end{array}$$

Example

$$148.8 \div 3 = ?$$

Follow the sequence below:

Original Problem

$$3 \overline{)148.8}$$

Write a decimal in this position.

$$3 \overline{)148.8}$$

Complete the problem.

$$\begin{array}{r} 49.6 \\ 3 \overline{)148.8} \\ \underline{12} \\ 28 \\ \underline{27} \\ 18 \\ \underline{18} \\ 0 \end{array}$$