

Name _____

Date _____

Decimal Division - Step-by-Step Lesson

Add the decimals below.

$$\begin{array}{r} 2.40 \\ \div 12.00 \end{array}$$



Explanation:

Raise the decimal point right away to show where the place value is held.

Step 1. 2×12 is 24. This too large to divide into 2.4.

Step 2. We place a zero at the ones position.

Step 3. We place a 2 at the tenths position or 0.2.

$$0.2 \times 12 = 2.4 \text{ or } 2.40 \text{ exactly what we needed.}$$

$$\begin{array}{r} . \qquad \qquad \qquad 0.2 \\ 12.00 \overline{)2.40} \rightarrow 12 \overline{)2.40} \\ \quad \quad \quad \underline{- 2.40} \\ \qquad \qquad \qquad 0.00 \end{array}$$

So, the answer is 0.2.

