Dividing by a Whole Number

Find $196 ÷ 32$.

**Step 1**
Put the decimal point in the dividend. Divide. Put the decimal in the quotient right above the decimal in the dividend. Subtract.

$$
\begin{array}{c|c}
32 & 196.0 \\
\hline
32 & 196.\\
\hline
-192 & 4
\end{array}
$$

**Step 2**
Add a zero after the decimal point in the dividend. Bring down the zero. Divide. Subtract.

$$
\begin{array}{c|c}
\phantom{32} & 6.125 \\
\hline
32 & 196.000 \\
\hline
-192 & 40 \\
\hline
-32 & 80 \\
\hline
-64 & 160 \\
\hline
-160 & 0
\end{array}
$$

**Step 3**
Repeat Step 2 until there is no remainder.

Remember, you can use estimation to see if your answer is reasonable: $180 ÷ 30 = 6$. You can check your answer using multiplication: $32 \times 6.125 = 196$

Find the quotient.

1. $11)\underline{93.5}$
2. $25)\underline{1.75}$
3. $6)\underline{573}$

4. $\underline{6.} \quad \begin{array}{c|c}
3 & 18.6 \\
\hline
18 & 0
\end{array}$

5. $\underline{3.} \quad \begin{array}{c|c}
7 & 22.61 \\
\hline
21 & 8
\end{array}$

6. $\underline{\$3.} \quad \begin{array}{c|c}
12 & 44.40 \\
\hline
36 & 8
\end{array}$

7. Cherri said that $0.9 ÷ 3 = 0.3$. Is she correct? Explain why or why not.