Dividing a Decimals by a Whole Number

When your divisor is a whole number.

Steps:

1) Write the problem as a long division problem. The first number goes on the inside.

2) Put the decimal point directly above the decimal point in the problem.

3) Divide normally.

4) Stop when there is a terminal decimal or repeating decimal.

A) $6.784 \div 2$

$$
\begin{array}{r}
3.392 \\
2\overline{)6.784} \\
6\downarrow \\
\hline
07 \\
6\downarrow \\
\hline
18 \\
18\downarrow \\
\hline
04 \\
04 \\
\hline
0
\end{array}
$$

B) $7.92 \div 6$

$$
\begin{array}{r}
1.32 \\
6\overline{)7.92} \\
6\downarrow \\
\hline
19 \\
18 \\
\hline
12
\end{array}
$$

C) $3.975 \div 5$

$$
\begin{array}{r}
0.795 \\
5\overline{)3.975} \\
35\downarrow \\
\hline
47 \\
45 \\
\hline
25 \\
25 \\
\hline
0
\end{array}
$$