

# Divide a Decimal by a Decimal

Find  $3.75 \div 1.5$ .

**Step 1:** Multiply the divisor and dividend by the same power of 10 so that the divisor is a whole number.

$$1.5 \overline{)3.75} \longrightarrow 15 \overline{)37.5}$$

**Step 2:** Divide. Place a decimal point in the quotient over the decimal point in the dividend.

$$\begin{array}{r} 2.5 \\ 15 \overline{)37.5} \\ \underline{-30} \phantom{0} \\ 75 \\ \underline{-75} \\ 0 \end{array}$$

Divide. Round to the nearest hundredth. Check that your answer is reasonable.

1.  $2.4 \overline{)9.984}$

2.  $0.4 \overline{)20.8}$

3.  $0.4 \overline{)0.28}$

4.  $0.5 \overline{)4.25}$

5.  $0.2 \overline{)5.6}$

6.  $0.06 \overline{)0.018}$

7.  $7.2 \overline{)25.2}$

8.  $1.6 \overline{)3.44}$

9.  $3.6 \overline{)20.88}$

10.  $0.9 \overline{)14.76}$

11.  $0.8 \overline{)5.76}$

12.  $1.4 \overline{)8.82}$

## Problem Solving

Show Your Work

13. An overseas phone call costs \$7.44 for 24.8 minutes. What was the price per minute of the call?

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