

## Dividing Decimals

To divide by a decimal, change the divisor to a whole number.

**Example** Find  $0.5194 \div 0.49$ .

$$\begin{array}{r} 1.06 \\ 0.49 \overline{)0.5194} \\ \underline{49} \phantom{00} \\ 294 \\ \underline{294} \\ 0 \end{array}$$

*Change 0.49 to 49.*

*Move the decimal point two places to the right.*

*Move the decimal point in the dividend the same number of places to the right.*

*Divide as with whole numbers.*

**Without finding or changing each quotient, change each problem so that the divisor is a whole number.**

1.  $3.4 \div 1.1$

2.  $76.44 \div 0.006$

3.  $0.56 \div 0.4$

4.  $89.45 \div 0.908$

5.  $5.675 \div 6.8$

6.  $0.00864 \div 0.012$

**Divide.**

7.  $0.9 \overline{)6.3}$

8.  $0.6 \overline{)0.540}$

9.  $0.3 \overline{)129}$