

Converting Fractions to Decimals

Date _____ Period _____

Convert the fraction to a decimal.

1) $\frac{1}{13}$

2) $\frac{5}{56}$

3) $\frac{1}{2}$

4) $\frac{45}{56}$

5) $\frac{29}{37}$

6) $\frac{5}{9}$

7) $\frac{6}{7}$

8) $\frac{35}{81}$

9) $\frac{8}{9}$

Converting Fractions to Decimals

Date _____ Period _____

Convert the fraction to a decimal.

1) $\frac{1}{13}$

Answer: 0.076

2) $\frac{5}{56}$

Answer: 0.089

3) $\frac{1}{2}$

Answer: 0.5

4) $\frac{45}{56}$

Answer: 0.803

5) $\frac{29}{37}$

Answer: 0.783

6) $\frac{5}{9}$

Answer: 0.555

7) $\frac{6}{7}$

Answer: 0.857

8) $\frac{35}{81}$

Answer: 0.432

9) $\frac{8}{9}$

Answer: 0.888

Solution Steps

$$1) \frac{1}{13}$$

$$\begin{array}{r} 769 \\ 13 \overline{)10000} \\ -91 \\ \hline 90 \\ -78 \\ \hline 120 \\ -117 \\ \hline \end{array}$$

$$2) \frac{5}{56}$$

$$\begin{array}{r} 892 \\ 56 \overline{)50000} \\ -448 \\ \hline 520 \\ -504 \\ \hline 160 \\ -112 \\ \hline \end{array}$$

$$3) \frac{1}{2}$$

$$\begin{array}{r} 5 \\ 2 \overline{)10} \\ -10 \\ \hline 0 \end{array}$$

$$4) \frac{45}{56}$$

$$\begin{array}{r} 803 \\ 56 \overline{)45000} \\ -448 \\ \hline 20 \\ -0 \\ \hline 200 \\ -168 \\ \hline 32 \end{array}$$

$$5) \frac{29}{37}$$

$$\begin{array}{r} 783 \\ 37 \overline{)29000} \\ -259 \\ \hline 310 \\ -296 \\ \hline 140 \\ -111 \\ \hline 29 \end{array}$$

$$6) \frac{5}{9}$$

$$\begin{array}{r} 555 \\ 9 \overline{)5000} \\ -45 \\ \hline 50 \\ -45 \\ \hline 50 \\ -45 \\ \hline 5 \end{array}$$

$$7) \frac{6}{7}$$

$$\begin{array}{r} 857 \\ 7 \overline{)6000} \\ -56 \\ \hline 40 \\ -35 \\ \hline 50 \\ -49 \\ \hline 1 \end{array}$$

$$8) \frac{35}{81}$$

$$\begin{array}{r} 432 \\ 81 \overline{)35000} \\ -324 \\ \hline 260 \\ -243 \\ \hline 170 \\ -162 \\ \hline 8 \end{array}$$

$$9) \frac{8}{9}$$

$$\begin{array}{r} 888 \\ 9 \overline{)8000} \\ -72 \\ \hline 80 \\ -72 \\ \hline 80 \\ -72 \\ \hline 8 \end{array}$$