

Converting Fractions to Decimals

Date _____ Period _____

Convert the fraction to a decimal.

1) $\frac{64}{91}$

2) $\frac{15}{76}$

3) $\frac{2}{23}$

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

5) $\frac{19}{39}$

6) $\frac{1}{12}$

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

8) $\frac{3}{11}$

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

Converting Fractions to Decimals

Date _____ Period _____

Convert the fraction to a decimal.

1) $\frac{64}{91}$

Answer: 0.703

2) $\frac{15}{76}$

Answer: 0.197

3) $\frac{2}{23}$

Answer: 0.086

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

Answer: 0.555

5) $\frac{19}{39}$

Answer: 0.487

6) $\frac{1}{12}$

Answer: 0.083

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

Answer: 0.5

8) $\frac{3}{11}$

Answer: 0.272

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

Answer: 0.666

Solution Steps

$$1) \frac{64}{91}$$

$$\begin{array}{r} 703 \\ 91 \overline{)64000} \\ \underline{-637} \\ 30 \\ \underline{-0} \\ 300 \\ \underline{-273} \\ 27 \end{array}$$

$$2) \frac{15}{76}$$

$$\begin{array}{r} 197 \\ 76 \overline{)15000} \\ \underline{-76} \\ 740 \\ \underline{-684} \\ 560 \\ \underline{-532} \\ 28 \end{array}$$

$$3) \frac{2}{23}$$

$$\begin{array}{r} 869 \\ 23 \overline{)20000} \\ \underline{-184} \\ 160 \\ \underline{-138} \\ 220 \\ \underline{-207} \end{array}$$

$$4) \frac{5}{9}$$

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

$$5) \frac{19}{39}$$

$$\begin{array}{r} 487 \\ 39 \overline{)19000} \\ \underline{-156} \\ 340 \\ \underline{-312} \\ 280 \\ \underline{-273} \\ 7 \end{array}$$

$$6) \frac{1}{12}$$

$$\begin{array}{r} 833 \\ 12 \overline{)10000} \\ \underline{-96} \\ 40 \\ \underline{-36} \\ 40 \\ \underline{-36} \end{array}$$

$$7) \frac{1}{2}$$

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

$$8) \frac{3}{11}$$

$$\begin{array}{r} 272 \\ 11 \overline{)3000} \\ \underline{-22} \\ 80 \\ \underline{-77} \\ 30 \\ \underline{-22} \\ 8 \end{array}$$

$$9) \frac{2}{3}$$

$$\begin{array}{r} 666 \\ 3 \overline{)2000} \\ \underline{-18} \\ 20 \\ \underline{-18} \\ 20 \\ \underline{-18} \\ 2 \end{array}$$