

Converting Fractions to Decimals

Date _____ Period _____

Convert the fraction to a decimal.

1) $\frac{16}{51}$

2) $\frac{11}{20}$

3) $\frac{1}{17}$

4) $\frac{6}{19}$

5) $\frac{24}{25}$

6) $\frac{4}{7}$

7) $\frac{47}{67}$

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

9) $\frac{13}{25}$

Converting Fractions to Decimals

Date _____ Period _____

Convert the fraction to a decimal.

1) $\frac{16}{51}$

Answer: 0.313

2) $\frac{11}{20}$

Answer: 0.55

3) $\frac{1}{17}$

Answer: 0.058

4) $\frac{6}{19}$

Answer: 0.315

5) $\frac{24}{25}$

Answer: 0.96

6) $\frac{4}{7}$

Answer: 0.571

7) $\frac{47}{67}$

Answer: 0.701

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

Answer: 0.8

9) $\frac{13}{25}$

Answer: 0.52

Solution Steps

$$1) \frac{16}{51}$$

$$\begin{array}{r} 313 \\ 51 \overline{)16000} \\ \underline{-153} \\ 70 \\ \underline{-51} \\ 190 \\ \underline{-153} \\ 37 \end{array}$$

$$2) \frac{11}{20}$$

$$\begin{array}{r} 55 \\ 20 \overline{)1100} \\ \underline{-100} \\ 100 \\ \underline{-100} \\ 0 \end{array}$$

$$3) \frac{1}{17}$$

$$\begin{array}{r} 588 \\ 17 \overline{)10000} \\ \underline{-85} \\ 150 \\ \underline{-136} \\ 140 \\ \underline{-136} \end{array}$$

$$4) \frac{6}{19}$$

$$\begin{array}{r} 315 \\ 19 \overline{)6000} \\ \underline{-57} \\ 30 \\ \underline{-19} \\ 110 \\ \underline{-95} \\ 15 \end{array}$$

$$5) \frac{24}{25}$$

$$\begin{array}{r} 96 \\ 25 \overline{)2400} \\ \underline{-225} \\ 150 \\ \underline{-150} \\ 0 \end{array}$$

$$6) \frac{4}{7}$$

$$\begin{array}{r} 571 \\ 7 \overline{)4000} \\ \underline{-35} \\ 50 \\ \underline{-49} \\ 10 \\ \underline{-7} \\ 3 \end{array}$$

$$7) \frac{47}{67}$$

$$\begin{array}{r} 701 \\ 67 \overline{)47000} \\ \underline{-469} \\ 10 \\ \underline{-0} \\ 100 \\ \underline{-67} \\ 33 \end{array}$$

$$8) \frac{4}{5}$$

$$\begin{array}{r} 8 \\ 5 \overline{)40} \\ \underline{-40} \\ 0 \end{array}$$

$$9) \frac{13}{25}$$

$$\begin{array}{r} 52 \\ 25 \overline{)1300} \\ \underline{-125} \\ 50 \\ \underline{-50} \\ 0 \end{array}$$