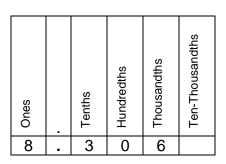Name_____

Reteaching Page
4.4 Fractions and Decimals

Decimals **are** fractions. When you read a decimal, you will notice that you are reading it in fraction form. 8.306 is read as eight and three hundred six thousandths.

$8.306 = 8\,^{306}/_{1000}$

$0.61 = \,^{61}/_{100}$

Ones	.	Tenths	Hundredths	Thousandths	Ten-Thousandths
8	**.**	3	0	6	

Use a Place Value Chart to help you write the following decimals as fractions or mixed numbers.

Ones	.	Tenths	Hundredths	Thousandths	Ten-Thousandths
0	**.**	2	1	8	4

$0.2184 = \,^{2184}/_{10,000}$

$3.14 = $ _____

$21.6 = $ _____

$0.003 = $ _____

$9.016 = $ _____

Fractions are division problems. To turn a fraction into a decimal you simply divide the numerator by the denominator.

$$^{3}/_{8} = \; 3 \div 8 = 0.375$$

$$8\,\overline{)3}$$

$$
\begin{array}{r}
0.375 \\
8\,\overline{)3.000} \\
\underline{24} \\
60 \\
\underline{56} \\
40 \\
\underline{40} \\
\end{array}
$$

Turn each fraction into a decimal by dividing the numerator by the denominator.

$^{4}/_{9} = $ _____ $^{3}/_{2} = $ _____

$^{6}/_{15} = $ _____ $^{7}/_{8} = $ _____