Fraction/Decimal/Percent Conversions

Note: please talk to your instructor for other conversions

Changing fractions to decimals: divide the bottom number into the top number

$\frac{1}{2} = 2\overline{)1} = .5$ $\quad 8\frac{1}{5} \Rightarrow 5\overline{)1} = 8.2$

Changing decimals to fractions: place a one under the point and a zero under the digits

$.7 = \frac{.7}{10} = \frac{7}{10}$ $\quad 3.73 = 3\frac{.73}{100} = 3\frac{73}{100}$ $\quad 2.6 = 2\frac{.6}{10} = 2\frac{6}{10} = 2\frac{3}{5}$

Changing Decimals to Percents: move decimal point two places to right (add zeros)

.27 = 27.% $\quad$ 1.4 = 140.% $\quad$ 7 = 700.% $\quad$ .005 = .5%

Changing Percents to Decimals: move the decimal point two places to the left (add zeros)

30% = .30 $\quad$ .57% = .0057 $\quad 8\frac{1}{5}\% \Rightarrow 5\overline{)1} = 8.2\% = .082$

Note: place a decimal point even if you don't see one

Practice **Read and follow all directions**

Directions: Fill in the blanks in the following table. **Reduce fractions** to lowest terms. ***Round decimals to hundredths***. **Round percents to hundredths.**

Mixed number or fraction	Decimal Number	Percent
$\frac{1}{2}$		
	.336	
		72%
$\frac{3}{5}$		
		$\frac{1}{2}\%$
	1.23	
$\frac{7}{8}$		
		$3\frac{1}{4}\%$
	426.2	
$8\frac{2}{3}$		
	.01	
$5\frac{7}{8}$		

LIVEWORKSHEETS