

Homework - #32

1) Fill in the chart by converting between fractions, decimals, and percents. Show work in the space below.

Fraction	Decimal	Percent	Work
$\frac{100}{100} = \left(\frac{1}{1}\right)$	1.0	100%	
$\frac{825}{10,000} = \left(\frac{33}{40}\right)$	0.0825 w	8.25%	
$\left(\frac{25}{100}\right) = \left(\frac{1}{4}\right)$	6.25 w	625%	
$\frac{125}{100,000} = \left(\frac{1}{800}\right)$	.00125	$\frac{1}{8}\%$ (0.125%)	
$\frac{2}{300} = \frac{1}{150}$	0.0066 w	0.66%	
$\frac{333}{1000}$	.333	33.3% w	
$\frac{3}{4} = \frac{75}{100}$	.0075	.75%	
$\frac{250}{100} = \frac{50}{20} = 2\frac{1}{2}$	2.5	250%	
$\frac{5}{1000} = \left(\frac{1}{200}\right)$	0.005 w	.5%	
$\frac{150}{100}$	1.5	150%	
$\frac{5\frac{1}{2}}{100}$	0.055	$5\frac{1}{2}\%$	

2) A survey was conducted to see how many dog owners take their dog to a dog park.  $\frac{2}{5}$  of the people surveyed said they take their dogs to a dog park. What percent of dog owners said they take their dog to a dog park?

$$\frac{2}{5} = 0.4 = 40\%$$

3) Mr. Davis surveyed his students about their favorite subject in school. The results are shown in the table below.

<u>Subject</u>	<u># of people</u>
Math	11
English	5
Social Studies	7
Science	9

A) What is the total number of students surveyed? 32

B) What is the total number of students who like English as a decimal?  $\frac{5}{30} = .1\bar{6}$

C) What is the total number of students who like Science as a percent?  $\frac{9}{30} = .3 = 30\%$

D) What is the total number of students who like Math as a fraction?  $\frac{11}{30}$