Percents to Fractions:

To convert from a percent to a fraction, put the percent over 100 and simplify.

Example: $20\% = \frac{20}{100} = \frac{1}{5}$ Practice: 1) 10% 2) 52% 3) 60% 4) 29%

Fractions to Decimals

To convert a fraction to a decimal, you divide. The numerator goes inside the dividing symbol. Add decimals and zeros until the fraction has no remainder or repeats.

Example: $\frac{2}{8}$, you need to divide.

Practice:

1) $\frac{7}{8}$ 2) ³/₉ $3)\frac{4}{5}$

Decimals to Fractions

To convert from a decimal to a fraction, put the decimal over the place value of the number to turn it into a fraction.

Example: .34 is in the hundredths place, so put 34 over 100 and simplify

		34 17	
		$\frac{100}{100} = \frac{1}{50}$	
Practice:			
1) .56	2) .34	3) .8	4).4

Decimals to percents

To convert from a decimal to a percent, shift the decimal places two places to the right.

Example: .234 move two places to the right = 23.4%

Practice:					
1) .67	2) .345	3).2	4) .7689	5).05	6) .074

Percents to Decimals

To convert from a percent to a decimal, shift the decimal two places to the left

Example: 45% - If not decimal exists, put it at the end of the number where the percent sign is then shift two places to the left. = .45

Practice: 1) 34% 2) 45.6% 3) 27.85% 4) 2.4% 5) 75% 6) 89%

Repeating decimals to fractions

To convert from a repeating decimal to a fraction, put the repeating decimal over that many 9's.

Example: $0.\overline{555}$ - only the five is repeating. So the fraction is $\frac{5}{9}$ $0.\overline{7676}$ 76 - 76 is repeating. So the fraction is $\frac{76}{99}$ $0.\overline{341341}$ - 341 is repeating. So the fraction is $\frac{341}{999}$

Practice

1)	0.888	2) 0.985985	3) 0.424242
		2	

Fractions to Percents

-First convert the fraction to a decimal (Divide)

- Then convert the decimal to a percent (move the decimal two spots to the right)

Example: $\frac{1}{4} = 0.25 = 25\%$