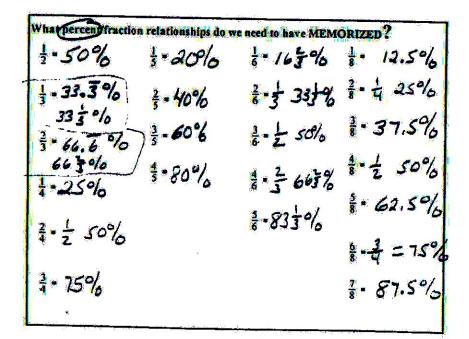
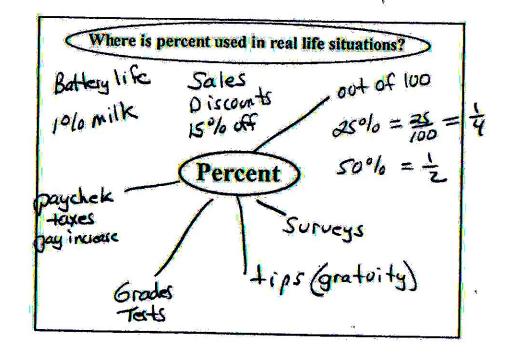
Fractions, Decimals, and Percents Notes - Math 7 Intro to Chapter 2

A percent is a ratio that compares a number to 100.

Ex: 12 out of 24 students are boys or 50% of the students are boys





\$-16.7% 114%	10-10%	
3-22.2%	200%	
₹·± 33.3%	3 - 30%	
\$ - 44.4 %	10 - 40%	1- 100%
§- \$3 %	to - 50%	
\$ - 3 66.6%	10 × 60°/6	
3-77.7%	10 · 70% 16 · 80%	
	* 90%	
\$ 88 · 8 %	10 70%	

To write a decimal as a percent:

*Read decimal without using word "point" (Percent is number out of 100)

·37 \$ -(37°6)

- *Make sure decimal has at least two decimal places. .6 60 60%
- * Multipliy by 100 and attach the % sign (move decimal point two places right)

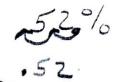
12.5%

Examples: 0.35 = 3500

To write a percent as a decimal:

* Read the % sign as "hundredths"

*divide by 100 and remove the percent symbol



% -> Decimal

10 Decimal		
Examples:	10% = .01	
19% = (19)	1.5% = .0 15	
Francisco College	The state of the s	
- Andrews	and the state of t	
5% = .05	27% = 27	
5		
100 (0.05)		
The same of the sa		
450% = 4,5	0.3% = (,003)	
	- Parker and the second	

To write a percent as a fraction, express the ratio as a fraction with a denominator of 100. Then simplify if possible.

Examples:

$$0.4\% = \frac{4(10)}{100(10)} \frac{4}{1000} = \frac{8.5\%}{100(10)} = \frac{8.5}{1000}$$

$$= \frac{11}{200}$$

$$83\frac{1}{3}\% = \frac{83\frac{1}{3}}{100} =$$

$$83\frac{1}{3}\% = \frac{83\frac{1}{3}}{100} = 4\frac{7}{12}\% = \frac{4\frac{7}{12}}{100} = 83\frac{1}{3} + 100$$

$$4\frac{7}{12} + 100$$

$$4\frac{7}{12} + 100$$



To write a fraction as a percent, write an equivalent fraction with a denominator of 100.

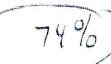
Ask yourself:

- * Is it one I have memorized?
- * Can I easily write it with a denominator of 100?
- * Is it one I can simplify and then use other strategies?
- * Can I write it as a decimal first? (may mean long ÷)

Write these fractions as percents

$$\frac{37}{100} = 37^{\circ}/_{\circ}$$

$$\frac{7^{\times 5}}{20_{\times 5}} = \frac{35}{100}$$



$$\frac{7}{8} = 87.5\%$$

