## Accelerated Math Notes Estimating Percents Section 6-2

\*We will use "nice" percents of "nice" numbers when we estimate the answer to problems which we will use the calculator to find the exact answer.

\*We are looking to use our multiplication/division facts along with compatible numbers.

\*We will try to use zeroes in our nice numbers, but we are not rounding

Example:

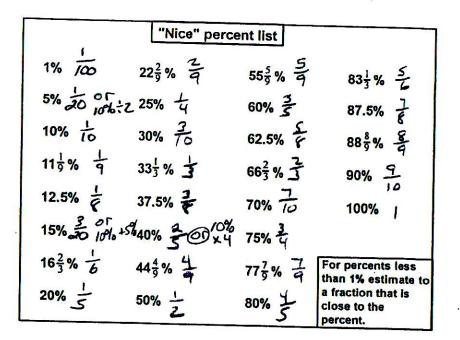
24.2% of 3748

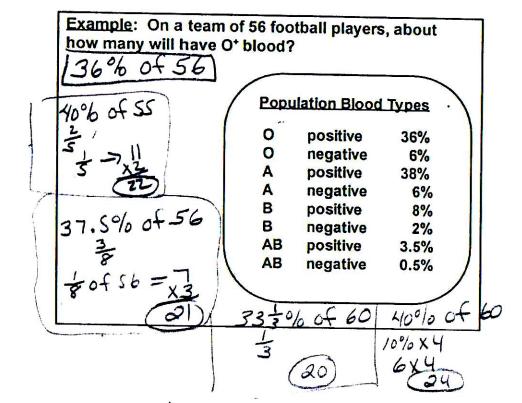
25% of 3600

not 3700 because 37 is not compatible with 4

of 3600 900

The exact answer is 907.016





1) In a class of 29 students, about how many will have A+ blood?  38% of 29	2) In a city of 62,000 people, about how many will have AB negative blood?
37.5% of 32 \$ \$ 0f32 = 4 [2]	10/0 + 2 10/0 of 62000 = 620+2
3) A city's population is just over 4,010,117. About how many people will have type B blood?	4) There are 562 students enrolled at LMS. How many would you expect to have O negative blood?
40,000	5% of 600
	10% + 2 10% of 500 60+2 50.
	30)

Estimate the sale price of a soccer ball that regularly sells for \$14.95 and is advertised with a discount of 15%.

Suppose you have just purchased a new game system for \$398 and the sales tax in your state is 4.75%. Estimate the amount of sales tax on this purchase.

We can estimate a percent if we make the part and whole "nice" numbers.

Estimate the percent for 
$$\frac{17}{30}$$

Estimate the percent for  $\frac{118}{491}$ 
 $\frac{15}{30}$ 
 $\frac{7}{30}$ 
 $\frac{120}{30}$ 
 $\frac{120}{4}$ 
 $\frac{1}{2}$ 
 $\frac{1}{2}$ 

Estimate the percent for  $\frac{34}{88}$ 

Estimate the percent for  $\frac{273}{2}$ 

Estimate the percent for

Estimating

Find  $\frac{1}{5}$ % of 3743 Find  $\frac{3}{8}$ % of 756 (= % ×3) of 800 10/0+8

Find  $\frac{1}{2}$ % of 24,679 Find 0.23 % of 2783 .25% (1% +4) of 2800 154