<u>Accelerated Math Study Guide - Mental Math Percent</u>   Name_____

Pre-ch.6 (No calculator)   Block____   Date_____
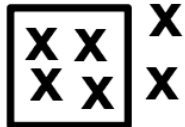
TEST is Friday, January 10

<u>You should be able to do the following</u>:

*Identify the fraction percent decimal conversions on the memory list in our notes

*Given a fraction or picture or situation, find the percent

*Find nice percents of nice numbers using mental math strategies

*Estimate percents of numbers using nice percents of nice numbers

*Find percent tax, discount, sale price, amount of tax and other applications (see notes) when the numbers are "nice"

Accelerated Math Study Guide Practice
Mental Math Percent Unit

Name_____

Block _____ Date_____

1) Find 20% of 350	2) Find 30% of 40	3) Write 1.5% as a decimal.	4) Find 0.2% of 2500
5) Find 125% of 28	6) What percent of X's are outside the box? X X | X X X | X	7) Sara made 25 out of her 30 free throws. What percent is this?	8) Write this fraction as a percent. $\dfrac{10}{16}$
9) Find 4% of 3000	10) Write 0.7 as a percent.	11) Find 15% of 800	12) Find 51% of 6000

13) Find 62.5% of 320	14) Find 80% of 450	15) Write 25% as a fraction in lowest terms.	16) Jan had 18 out of 24 problems correct on a quiz. What percent is this?
17) Find 9% of 300	18) What is 37.5% of 160 ?	19) Find 75% of 840.	20) Find 150% of 44
21) Find 60% of 55	22) Find 1.5% of 6000	23) Write 0.07 as a percent.	24) Find 300% of 600.

25) Find 175% of 440	26) Find 22.$\overline{2}$% of 18	27) Find 83.$\overline{3}$% of 36	28) Find 80% of 550
29) Find 20% of 3200	30) Find 201% of 1600	31) Find 0.5% of 800	32) 16.$\overline{6}$ % of 240
33) Find 110% of 7200	34) Find 5% of 1800	35) Find 90% of 600	36) Find 37.5% of 4000

37) Show two ways to get a GOOD estimate for 45% of 4568

Nice #'s

_____% of _____

% Strategy

Steps

Estimate

Nice #'s
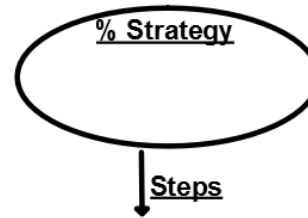
_____% of _____

% Strategy

Steps

Estimate

38) Show two ways to get a GOOD estimate for 14.5% of 7019

Nice #'s

_____% of _____

% Strategy

Steps

Estimate

Nice #'s

_____% of _____

% Strategy

Steps
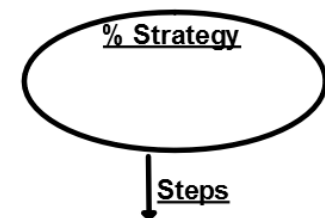
Estimate

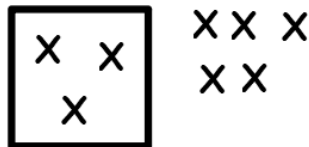|		
39) Find the discount and the sale price of a $480 item, if it is on sale for 37.5% off.	40) Find the percent tax if an item cost $900 and the tax is $45.	41) There are 480 students at Eastside Middle School. 80 students are in chorus. What percent of the students are in chorus?
42) Find the 15% tip on a meal that costs $40	43) An item that regularly costs $400 is marked $50 off. What is the percent discount?	44) Sara got 64 questions correct out of the 72 questions on the test. What percent does this represent?
45) An item regularly costs $70. It is marked 20% off. Find the amount of discount AND the sale price.	46) Find the percent of X's that are outside the box. X X X X X X X X	47) Jared attempted 36 free throws and made 28 of them. What is his free throw percentage.