

Math 7 Study Guide - Mental Math Percent  
Pre-ch.2 (No calculator)

Name \_\_\_\_\_  
Block \_\_\_\_\_ Date \_\_\_\_\_

TEST is Friday, January 24

Use the classnotes/examples from this unit to help you review. If you have misplaced your copy of any of the notes/examples, go to my weebly site and print them out.

Complete the Practice Questions on the following pages to prepare for the test. Be sure to show strategies and steps as we discussed in class. For full credit problems need to be correct and have correct work shown. Please correct with the key posted on line (will be posted on Thursday 1/23)

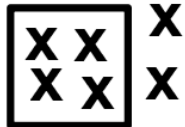
You should be able to do the following:

- \*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."

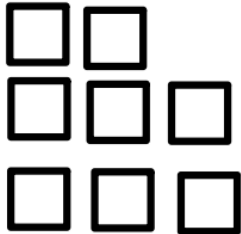
**Math 7 Practice Questions**  
**Mental Math Percent Unit**

Name \_\_\_\_\_

Block \_\_\_\_\_ Date \_\_\_\_\_

1) Find 20% of 350	2) Find 30% of 40	3) Write 1.5% as a decimal.	4) Find 20% of 2500
5) Find 125% of 28	6) What percent of X's are outside the box?  	7) Sara made 31 out of her 50 free throws. What percent is this?	8) Write this fraction as a percent. $\frac{10}{16}$
9) Find 4% of 3000	10) Write 0.7 as a percent.	11) Find 15% of 800	12) Find 51% of 6000

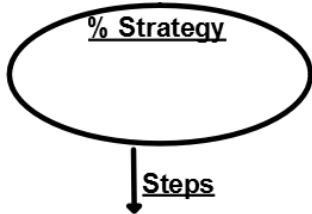
13) Find 62.5% of 320	14) Find 80% of 450	15) Write 25% as a fraction in lowest terms.	16) Jan had 18 out of 24 problems correct on a quiz. What percent is this?
17) Find 9% of 300	18) Write $\frac{11}{25}$ as a percent.	19) Find 75% of 840.	20) Find 150% of 44
21) Find 60% of 55	22) Find 12.5% of 2400	23) Write 0.07 as a percent.	24) Find 300% of 600.

25) Find 75% of 440	26) Find $66.\bar{6}\%$ of 18	27) Shade in 25% of these squares.  	28) Find 80% of 550
29) Find $33.\bar{3}\%$ of 330	30) Find 150% of 1600	31) Find 12.5% of 80	32) Write the percent for 0.3
33) Find 110% of 7200	34) Find 5% of 1800	35) Find 90% of 600	36) Write 8% as a fraction in simplest form.

37) Show two ways (use different percents) to get a GOOD estimate for 61% of 4568

Nice #'s

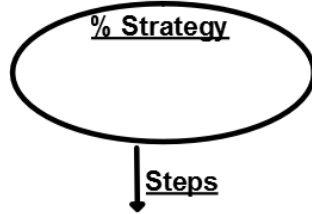
\_\_\_\_\_ % of \_\_\_\_\_



Estimate

Nice #'s

\_\_\_\_\_ % of \_\_\_\_\_

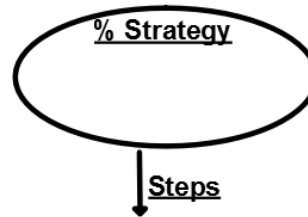


Estimate

38) Show two ways (use different percents) to get a GOOD estimate for 14.5% of 7019

Nice #'s

\_\_\_\_\_ % of \_\_\_\_\_



Estimate

Nice #'s

\_\_\_\_\_ % of \_\_\_\_\_



Estimate

39) Find the savings for a \$480 item, if it is on sale for 25% off.

40) Find the percent tax if an item cost \$500 and the tax is \$25.

41) There are 240 students at Eastside Middle School. 80 students are in chorus. What percent of the students are in chorus?

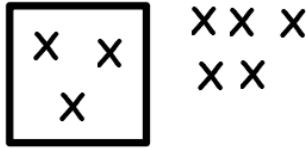
42) Find the 15% tip on a meal that costs \$40

43) An item that regularly costs \$400 is marked \$50 off. What is the percent discount?

44) Sara got 17 questions correct out of the 25 questions on the test. What percent does this represent?

45) An item regularly costs \$70. It is marked 20% off. Find the sale price.

46) Find the percent of X's that are outside the box.



47) Jared attempted 16 free throws and made 12 of them. What is his free throw percentage.

48) An item regularly costs \$600. Sales tax is 7%. How much sales tax will need to be paid?

49) Mr. Armstrong must pay 5% sales tax on the new car he is buying. The cost of the car is \$20,000. How much will he have to pay including sales tax?

50) An item is marked 40% off. If the regular price of the item is \$15, what is the sale price?