http://goo.gl/5HBVOa

6.4 & 6.5 Notes: **Finding the Part**

(6.4) Proportionality. The student applies mathematical process standards to develop an understanding of proportional relationships in problem situations. The student is expected to:

(6.4E) represent ratios and <u>percents</u> with <u>concrete models</u>, fractions, and decimals;

(6.4F) represent <u>benchmark</u> fractions and <u>percents</u> such as 1%, 10%, 25%, 33 1/3%, and multiples of these values using 10 by 10 grids, <u>strip diagrams</u>, number lines, and numbers;

(6.5) Proportionality. The student applies mathematical process standards to solve problems involving proportional relationships. The student is expected to:

(6.5B) solve real-world problems
~to find the whole given a part and the percent,
~to find the part given the whole and the percent,
~and to find the percent given the part and the whole,

including the <u>use of concrete and pictorial models</u>;

My teacher's learning goals for me are that I will be able to:

- Calculate benchmark percents that will help me find the answer.
- Calculate the part amount when given the total and the part percent.
- Answer what the question is asking.

Steps to being successful when solving problems with percents:

1: Write down the important information from the word problem.	2: Make sure that you connect the information that goes together.	3: Set up your percent bar, and find the benchmark percents that will help you solve the problem. (1%, 5%, 10%, 20%, 25%, ...)	4: Re-read the problem to make sure that you put the information in the correct spots and that you answered the question.

I do...and you follow along and process.

A. Of the 1200 people at the race, 5% won their tickets from the radio station. How many people won their tickets from the radio station?

B. A ticket to the race costs $20. If 5% of the ticket price went to the drivers, how much did the drivers earn for each ticket sold?

C. In a new subdivision neighborhood, 2.5% of the homes have a three-car garage. If there are 400 homes in the subdivision, how many have a three-car garage?

D. Cesar answered 85% of the 40 problems on his science homework correctly. How many problems on his homework did he answer correctly?