

# 6.4 & 6.5 Notes: Part, Total, & Percent

**(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 percents with concrete models, fractions, and decimals;

**(6.4F)** represent benchmark fractions and percents such as 1%, 10%, 25%,  $33\frac{1}{3}\%$ , and multiples of these values using 10 by 10 grids, strip diagrams, 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 use of concrete and pictorial models:*

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

- Calculate the total when given the part amount and its percent.
- Calculate the percent when given the part amount and the total.
- 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.

- |   |   |
|---|---|
| <p>A. Fifteen percent of the children at the race wore baseball caps. If there were 27 children in baseball caps, how many children were at the race?</p> | <p>B. Enrique's salary is \$1200 per month. From this amount, he pays \$480 for social security and other taxes. What percent of his salary goes for social security and other taxes?</p> |
| <p>C. Out of the \$950 in total snack sales, \$380 worth of hot dogs were sold. What percent of the total snack sales were for hot dogs?</p>              | <p>D. Twenty percent of the parking spaces are being repaved. If 150 parking spaces are being repaved, how many parking spaces are there in all?</p>                                      |