

# Calculating Percents *Notes*

Type this link in <http://goo.gl/US113p>

**(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 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 Calculating Percents goals for me are that... I will be able to:

- **Solve** real-world problems involving **percents**.
  - Set up percent bars using the given information from the problem.
  - Calculate 100, 10, and 1 percent using the percent bar.
  - Determine if the problem is a **REGULAR** percent problem or a **WEIRD** one
    - If it's weird: I will set up a proportion from the percent bar.
    - If it's a regular problem: I will solve it using the benchmark percent values.
  - Solve word problems...even the tricky ones.

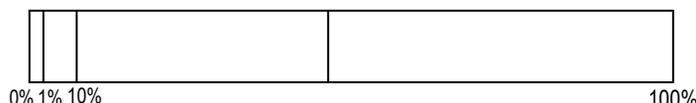
I will achieve these **learning goal** for calculating percents by:

- 1) \_\_\_\_\_
- 2) \_\_\_\_\_
- 3) \_\_\_\_\_

My teacher will be checking up on my progress with accomplishing and maybe exceeding my learning goals, so what I have written is "doable" and achievable.

Use the percent bar to answer the questions below:

A designer pair of shoes costs \$200 at full price.



- If the shoes are discounted by 10%, you save \$\_\_\_\_\_.
- If the shoes are discounted by 1%, you save \$\_\_\_\_\_.
- If the shoes are discounted by 40%, you save \$\_\_\_\_\_.
- If the shoes are discounted by 45%, you save \$\_\_\_\_\_.