

Math 1030 #5a

Use and Abuse of Percentages

Percentage

Basic Percent Problem Set-up

___ is ___ % of ___

There are three questions to be asked:

1. There is a 40% discount on a \$500 item. What is the discount amount?
2. Candy was eaten by 192 people at the Halloween party. That is 80% of the people in the town. How many people are in my town?
3. Macey scored 78 out of 120 on the last midterm. What percent is this?

Percent means per 100 or out of 100.

$$p\% = \frac{p}{100}$$

Percents can be used to

- Describe a fraction of a total
ex I ate 25% of the pizza.
- Describe a change
ex As I have aged, my height is now only 95% of my height at age 20.
- Compare
ex Looking for my class textbook, I noticed the price at the campus store was 110% of the price online.

