

### Warm-up:

1. The pregnancy length in the population of new mothers had a mean of 267 days with a standard deviation of 10 days.

a. What percent of the new mothers had a pregnancy length of less than 290 days?

b. What is the probability that a new mother picked at random had a pregnancy length of between 260 and 300 days?

c. Out of 250 randomly selected new mothers, about how many would you expect to have a pregnancy length of greater than 287 days?