Intro to Statistics Classwork/Homework Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

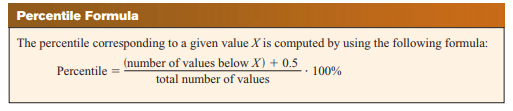
Deciles and Quartiles

Warm-up: What does the prefix “dec-“ mean? What about “quart-“?

**Deciles**

Like a z score or a percentile, a decile is a measure of position. Deciles and quartiles can be calculated much like percentiles. Change the definitions below to apply to deciles.



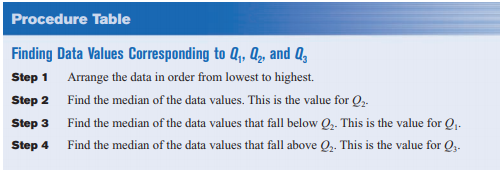


The first decile corresponds to the \_\_\_\_\_\_ percentile.

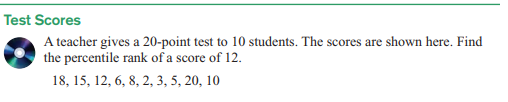
**Quartiles**

How many equal groups do quartiles create? Draw a box to represent your data and partition it into the correct number of points.

The first quartile corresponds to the \_\_\_\_\_\_\_ percentile.



Divide the test score data from our percentiles lesson (reproduced below) into **deciles.**



Now divide the test score data into **quartiles.**

Classwork/homework (you’re welcome to do this on a separate page so as to have enough space and retain your notes): For the problems below, find:

a. The 35th percentile

b. The 3rd decile

c. The first, second, and third quartile

