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

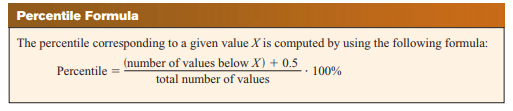
Introduction to Percentiles: Formula

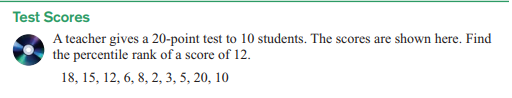
Warm-up: How many percentiles are there?

**Percentiles**

Like a z score, a percentile is a measure of position. However, percentiles are calculated somewhat differently.

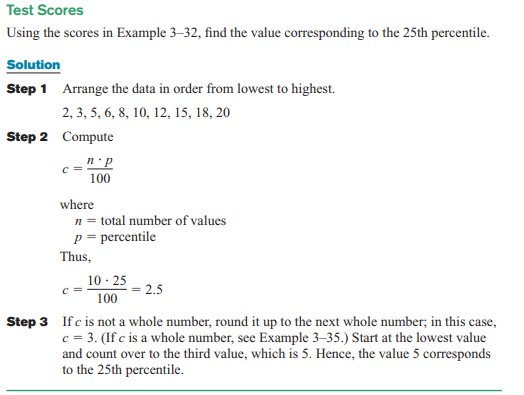






1. Find the percentile rank of a score of 6.

2. Substitute the letters *p*, *n*, and *c* for the Percentile, total number of values, and number of values below X, respectively, in the formula for percentile. Cross out the 0.5, and then solve for *c*.



3. Find the value that corresponds to the 60th percentile. (In step 3, you’ll need to find the value halfway between *c* and *c* + 1.)

Classwork/homework (you’re welcome to do this on a separate page so as to have enough space and retain your notes): #22, 23, 28, 29.

