percentile

Percentile

- ▶ Imagine the scores on some test are the following:

139, 145, 181, 151, 153, 184, 159, 125, 136, 141, 174, 157, 158, 152, 139, 186, 160, 111, 164, 141

- ▶ A person who scored 139 is trying to quantify how well they did. Percentile is a good way to do this.
- ▶ Percentile is what percent of scores are less than or equal to a value.
- ▶ There are 20 scores. Of those, there are 5 scores less than or equal to 139.

$$\ell = \frac{5}{20} = 0.25$$

- ▶ People say the 25th percentile is 139.
- ▶ I will also say the score 139 has a percentile of 0.25.