

# Activity 11 Assessment

## Making and Testing Predictions

### Predicting Likelihoods Involving Mean, Median, and Mode

Identifies mode, median, and mean of a data set.

Minutes to get to school for 10  
Grade 4 students:  
5, 10, 30, 20, 25, 10, 10, 2, 3, 5

“Mode: 10 min; Median: 10 min,  
Mean: 12 min.”

Predict likelihood of mean, median and mode being the same for another data set.

“I think they will be the same  
because the students are in the  
same grade.”

Collects data for a second population, then compares results with predictions.

	Mode	Median	Mean
Class A	10	10	12
Class B	5	8	7

“The results are not what I predicted.  
I thought the mode, median, and  
mean would be the same for both  
classes.”

Understands that measures of central tendency from a different population may be different.

“A lot of students in my class live in  
a building that is close to the school.  
So, it takes them less time to get to  
school than the students  
in the other class.”

### Observations/Documentation