

Making Predictions

Name: _____

7th Grade Math

A random sample was taken of 75 freshmen at the high school. Each of the freshmen took a 2-question survey and the results are as follows:

1. Which lunch do you prefer?

First	Second	Third
25	36	14

2. What hour do you have the hardest time staying awake in?

First	Second	Third	Fourth	Fifth	Sixth
15	8	2	14	16	20

Answer the following questions and SHOW YOUR WORK (even if you think you can do it in your head).

1. What percentage of **the sample** preferred first lunch?
2. If there are 295 students in the freshmen class, predict how many of these 295 students (**the population**) would prefer first lunch.
3. What percentage of the sample preferred second lunch?
4. Based on this survey, predict how many freshmen would prefer second lunch.
5. What percentage of the sample feel that sixth hour is the hardest to stay awake in?
6. Approximately, how many freshmen do you predict feel the same way?
7. Approximately how many freshmen do you predict feel that first hour is the hardest to stay awake in?