

# 8.1 Confidence Intervals

Michael Brodskiy

Instructor: Mr. Thompson

January 26, 2021

Statistics AP-Thompson-Year-12462 (86479) > Activities and Due Dates > 8.1 Confidence intervals

1 of 16 Questions

Assignment Score: 96.6%

Resources

Give Up?

Solution

Next Question

1 Question of Attempts 100% Correct

2 Question of Attempts 100% Correct

3 Question of Attempts 100% Correct

4 Question of Attempts 100% Correct

5 Question of Attempts 90% Correct

6 Question of Attempts 100% Correct

7 Question of Attempts 85% Correct

8 Question of Attempts 100% Correct

Question 1 of 16

How many pairs of shoes, on average, do female teens have? To find out, an AP® Statistics class selected an SRS of 20 female students from their school. Then they recorded the number of pairs of shoes that each student reported having. The data are given in the table.

50	26	26	31	57	19	24	22	23	38
13	50	13	34	23	30	49	13	15	51

Identify the point estimator you would use to estimate the parameter and calculate the value of the point estimate.

☐ Sample proportion,  $\hat{p} = \frac{5}{20}$

☐ Sample mean,  $\bar{x} = 607$

☐ Sample standard deviation,  $s_x = 14.24$

☒ Sample mean,  $\bar{x} = 30.35$

☐ Sample mean,  $\mu = 30.35$

My Attempt