

Classroom activity

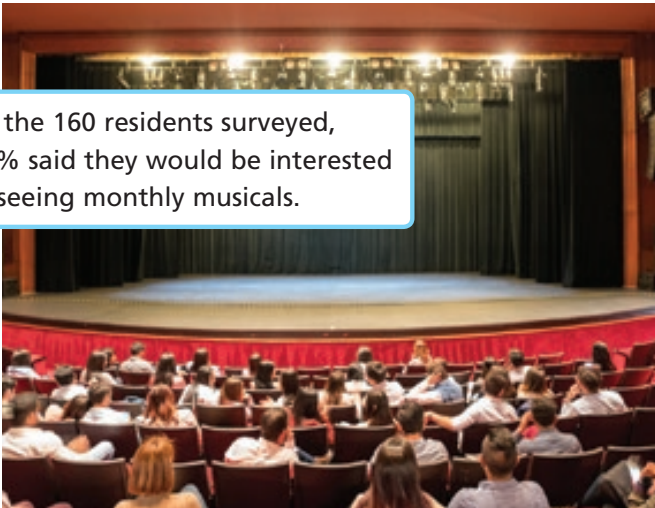
Community Arts Center Survey

NAME: _____

DATE: _____

A community arts center surveyed a random sample of the town's residents about whether they would be interested in seeing a musical at the center each month. Use the information in the photo for Problems 10 and 11.

10. What is a 95% confidence interval for the proportion p of town residents who are interested in seeing monthly musicals? What is a 99% confidence interval for this proportion?
11. Is it reasonably likely that a majority of the town's residents are interested in seeing monthly musicals? Explain.



Of the 160 residents surveyed, 35% said they would be interested in seeing monthly musicals.