

- 8.56** Is America's romance with movies on the wane? In a Gallup Poll⁵ of $n = 800$ randomly chosen adults, 45% indicated that movies were getting better whereas 43% indicated that movies were getting worse.
- a Find a 98% confidence interval for p , the overall proportion of adults who say that movies are getting better.
 - b Does the interval include the value $p = .50$? Do you think that a majority of adults say that movies are getting better?