

Ogive Curves – Intro & Practice

The following cumulative relative frequency graph (ogive) displays the distribution of the lifetime (in hours) of a AA battery.

1. Approximately what percent of the batteries will last fewer than 250 hours?
2. Approximately what proportion of batteries will last 325 hours or more?
3. What battery life would be needed so that the battery was at the 60th percentile?
4. What is the median battery life?
5. Determine the IQR of the distribution of battery lifetimes.

Lifetimes of AA Batteries (hrs)