



The Size & Scale of Andersonville

Teacher's Guide & Answer Key

- (1) How many prisoners died in the month of August? 2,993 died in the month of August
- (2) What was the total square footage of the prison before it was expanded? And after?
There are 43,560 square feet per 1 acre.
 $16 \text{ acres} \times 43,560 \text{ sq. ft.} = 696,960 \text{ sq. ft.}$ before the expansion
 $26.5 \text{ acres} \times 43,560 \text{ sq. ft.} = 1,154,340 \text{ sq. ft.}$ after the expansion
- (3) What fraction of the total prison population tried to escape during August? What percent?
30 total prisoners tried to escape in August
34,760 is the total number of prisoners that lived at the prison during August.
 $30/34,760$ is the fraction of the prison population that tried to escape. This fraction reduces to
approximately $1/1,158$.
 $30/34,760$ expressed as a percentage is 0.0863% (less than 0.1% of all prisoners escaped)
- (4) What fraction of escape attempts was successful? What percent?
30 escape attempts were made, and 6 were recaptured, meaning that 24/30 escapes of were successful.
 $26/30$ is the fraction of escape attempts that were successful ($13/15$ if reduced).
 $26/30$ expressed as a percentage is