



## Answer key for Mathematics 9-12 Lion

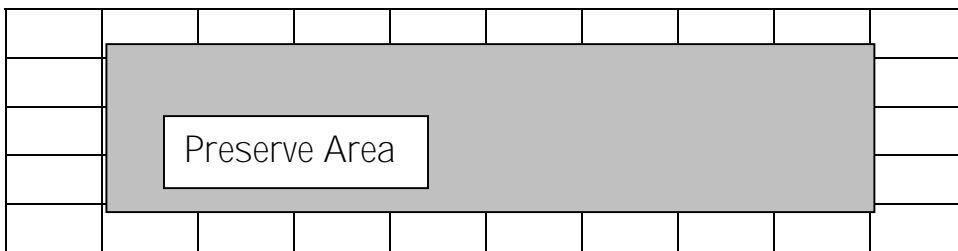
Please note – written responses should be graded by the appropriate rubrics as found on the source page.

Read about the lion at  
<http://www.bigcatrescue.org/lion.htm>

Use estimation strategies to solve this problem.

An African Ranger has counted a pride of lions with 10 members in a 15 square kilometer area as represented in this grid where

One block =  $5 \text{ km}^2$



If the Ranger assumes the lion prides are evenly distributed throughout the preserve, how many lions should he estimate are in the entire preserve?

- 8
- 24
- 80
- 3