



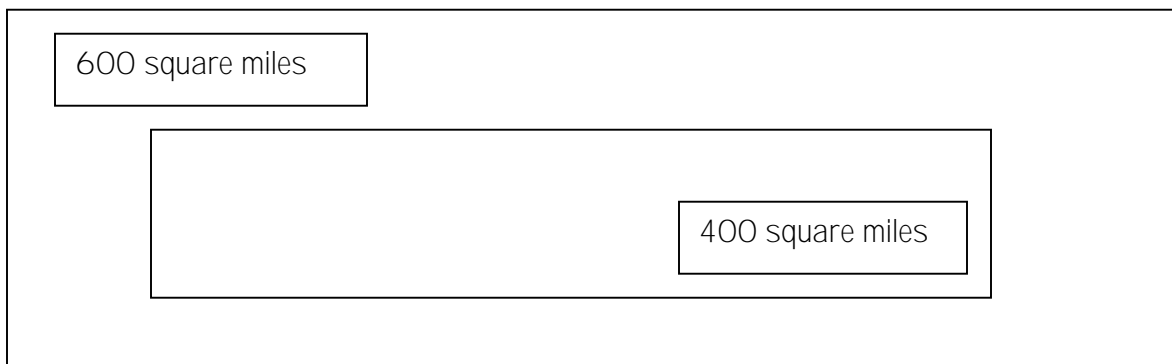
Answer key for Mathematics 6-8 Tiger

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

Read about the tiger at

<http://www.bigcatrescue.org/tiger.htm>

Tigers can require as much as 400 square miles for their territory. This drawing shows a tiger's territory in a specific region. About what percentage of this region is the tiger's territory? Explain how you solve the problem and the answer.



$$400 \text{ divided by } 600 = .666 = 67$$

Tigers are good swimmers and can easily swim 20 miles across a body of water. If a tiger has crossed this body of water by swimming the 20 miles across it, what is the area of the water?

$$\text{Use } A = \pi R^2$$

$$A = 3.14 \times 10^2$$

$$A = 3.14 \times 100$$

$$\text{Area} = 314 \text{ square miles}$$

