



Answer key for Mathematics 6-8 bobcat
Please note – written responses should be graded by the appropriate rubrics as found on the source page.

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

YEAR	1970	1980	2000
CATS TRAPPED	10,000	90,000	40,000

Following the pattern in this chart, project how many cats will be trapped in 2020? Explain how you reached this conclusion.

- 20,000
- 80,000
- 60,000
- 30,000

Male bobcats have a territory of 25-30 square miles. Females have a territory of 5 square miles. If a region has 5 pairs of bobcats, how many square miles are needed to support all 5 pairs? Which formula represents this?

- $(5 \times 2) \times 30$
- $(25-30) \times 5$
- $(30 + 5) \times 5$
- $(30 \times 5) + 5$