



Answer key for Mathematics 9-12 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>

Bobcats are 21" high and at least 30" long. What would be the best tool to measure a bobcat?

- Inch ruler with quarter inch subdivisions
- Yardstick with inch subdivisions
- Centimeter ruler with millimeter subdivisions
- Meter stick with centimeter subdivisions

This table shows how many bobcats were trapped. If each * represents 5,000 cats, and each cat's pelt was worth \$60.00, what was the average amount of illegal bobcat pelts sold?

1970	**
1980	*****
2000	*****

Show how you would solve this problem and show your work and answer.

In 1970, there were 10,000. In 1980, there were 90,000. In 2000 there were 40,000. The total of these three is 140,000, and divided by three leaves 46,666.6 or \$46,666.67