



VCTM 2018 Math Beauty Contest Problem for Grades 9 – Algebra I

SOL: A.11

Each year during the summer, the Martin family liked to go to the zoo. They liked to count the number of the animals that they saw. They saw giraffes, elephants, lions, tigers and. After they counted they noticed that there were the same number of lions as tigers. When they counted the giraffes they multiplied the number of lions plus 1 by 2 to get the number of giraffes that they saw. When they counted the bears there were $\frac{1}{2}$ as many bears as lions and tigers combined. When they counted the elephants, there was 1 more elephant than tigers. When they added up the total number of animals they saw they got a total of 15 animals. How many of each animal did they see?

We look forward to your entry. **Be sure to include a paragraph that fully explains your thinking.**

To enter the contest, write the following on your entry **and** two 3" x 5" index cards:

- Your name and address
- Phone
- Grade Level
- Email (if available)
- School name and address
- School phone

Mail your entry and the two cards to:

Brenda Barrow
1311 E Bayview Blvd
Norfolk, VA 23503

Entries must be postmarked by March 24, 2018.

Contact Brenda Barrow at themathlady@cox.net or call 757 – 617 - 0984 if you have questions. **Email is preferred. Please only use the phone number if you do not have access to email.**

Visit www.vctm.org for winners after April 30th.