**Name**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Date**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Unit 4 Quiz

An elementary school class asked their students what their favorite exotic pets would be. Results are shown in the table below:



Answer the following questions. **Show your work!**

1. What is the probability the student is a Boy?
2. What is the probability the student is a Girl AND prefers Lizards?
3. What is the probability the student is a Girl OR prefers Lizards?
4. Are any Events mutually exclusive? If yes, **list** one set of events AND **explain** how we know they are mutually exclusive. If no, **explain** why there are none.
5. Given that a student’s favorite pet is a Bird, what is the probability the student is a Girl?
6. The teacher needs to select two students to represent the class at the next science fair. What is the probability both students are Boys?