

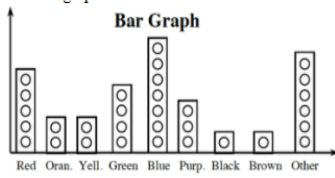
2-1. HOW MANY PETS?

- a. Answers vary. You can tell by finding the number with the most/fewest dots (or tallest/shortest stack of dots) above it.
- b. Answers vary based on the data.
- c. No. The dot plot only tells us how many pets people have.

2-2. See below:

- a. If a student had both a dog and a cat, he or she might need two dots (one for both the "Dog" column and the "Cat" column. Students with some other kind of pet could not place their dot and were left out.
- b. On the bar graph it is easier to compare the differences between categories. The Venn diagram enables students to compare overlapping categories.
- c. Bar graphs are effective for representing categories that are mutually exclusive. Venn diagrams are best for visualizing information into categories that overlap.
- d. No

2-3. See graph below.



2-4. See dot plot below.

