

Appendix A: Graphing Examples

The following graphs accompany the data for the fourteen major DragonflyTV investigations in the SciGirls Resource Manual. They represent one way that data from the investigations could be presented.

These are all paper examples, but you can make your charts out of any materials- construction paper, cloth, stickers, or other objects. Your girls will enjoy the creative challenge of showing off their results!

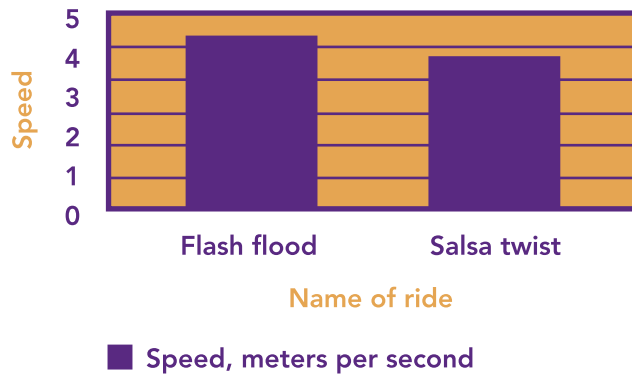
Some guidelines for preparing graphs include:

- Use a bar graph for data that compares one situation to another.
- Use pie graphs for illustrating percentages.
- All graphs should have a title.
- All bar graphs should have labels on the vertical and horizontal axes.
- For measurement data, the unit of measure should be indicated.
- A graph is only required where having one helps understand the data. In certain cases it is acceptable to have no graph.

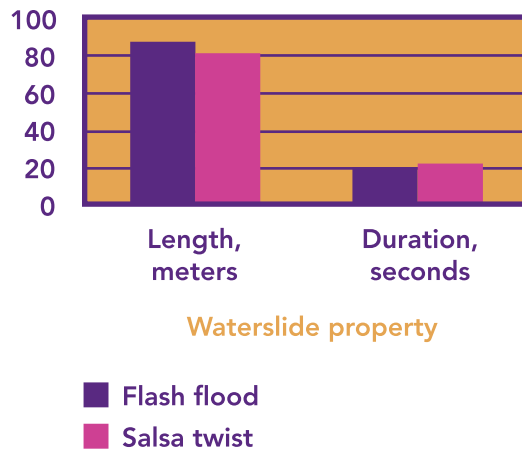
As you work with girls on their science investigations, use these graphing examples as models. Encourage the girls to develop a graph that is appropriate for their data.

Activity 1: Wild Water!

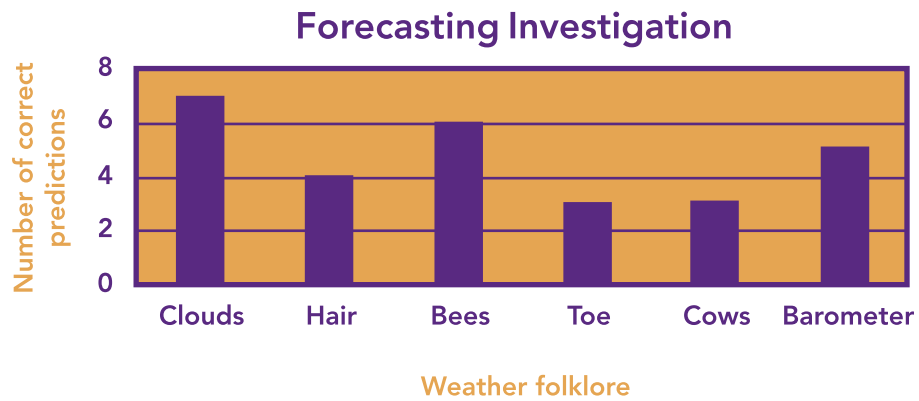
Waterslide Speed Comparison



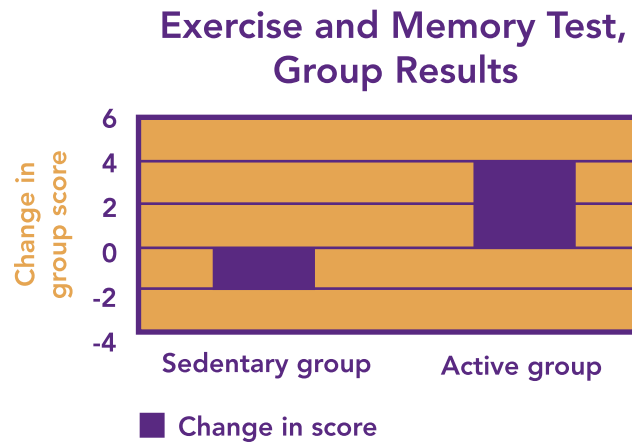
Waterslide Comparison



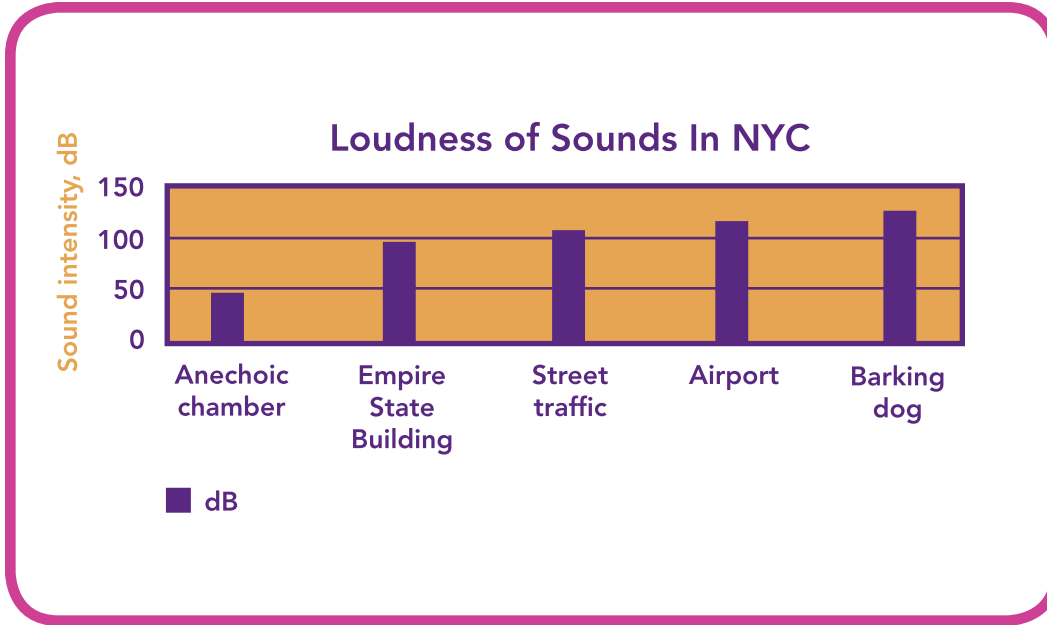
Activity 2: Wacky Weather!



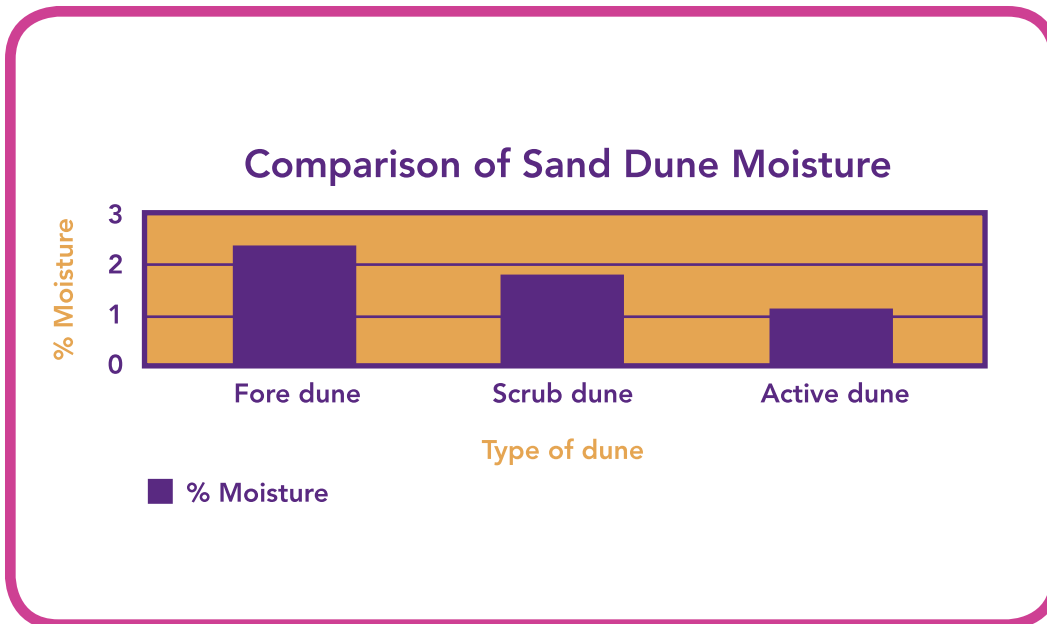
Activity 4: Workin' Out!



Activity 5: Let's Get Loud!

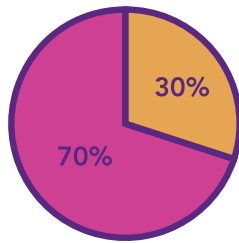


Activity 6: Play with Sand!



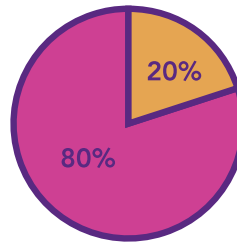
Activity 7: Right or Left?!

"Brooklyn"
Paw Preference
on Dangly Toy



Right paw
Left paw

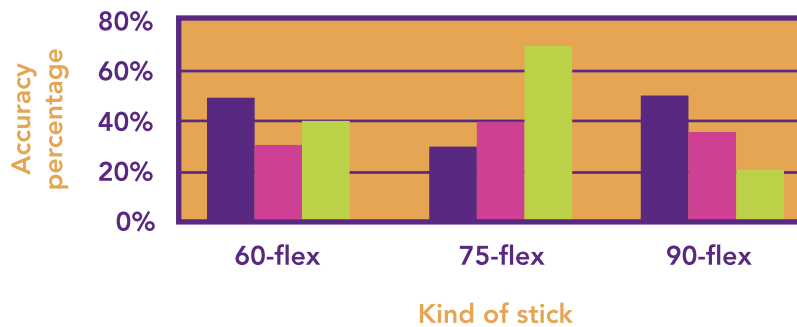
"Brooklyn"
Paw Preference
on Treat Tube



Right paw
Left paw

Activity 9: Slap Shot!

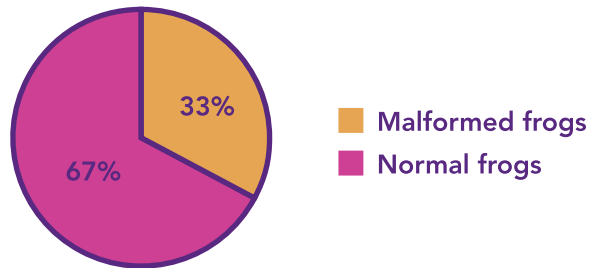
Shooting Accuracy Test Results



Player 1, accuracy
Player 2, accuracy
Player 3, accuracy

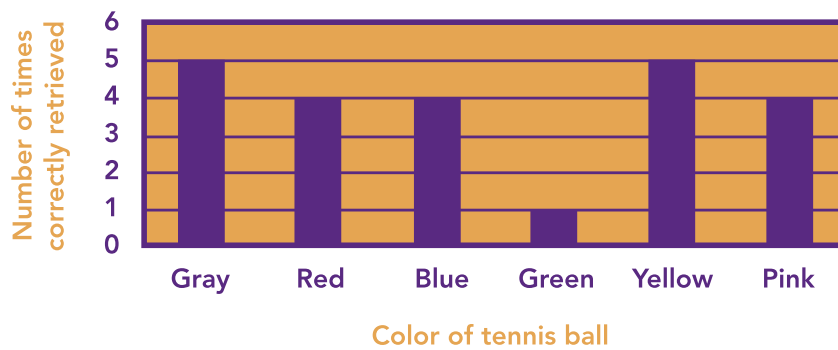
Activity 10: Hip-Hop Frogs!

Percentage of malformed frogs caught from our pond

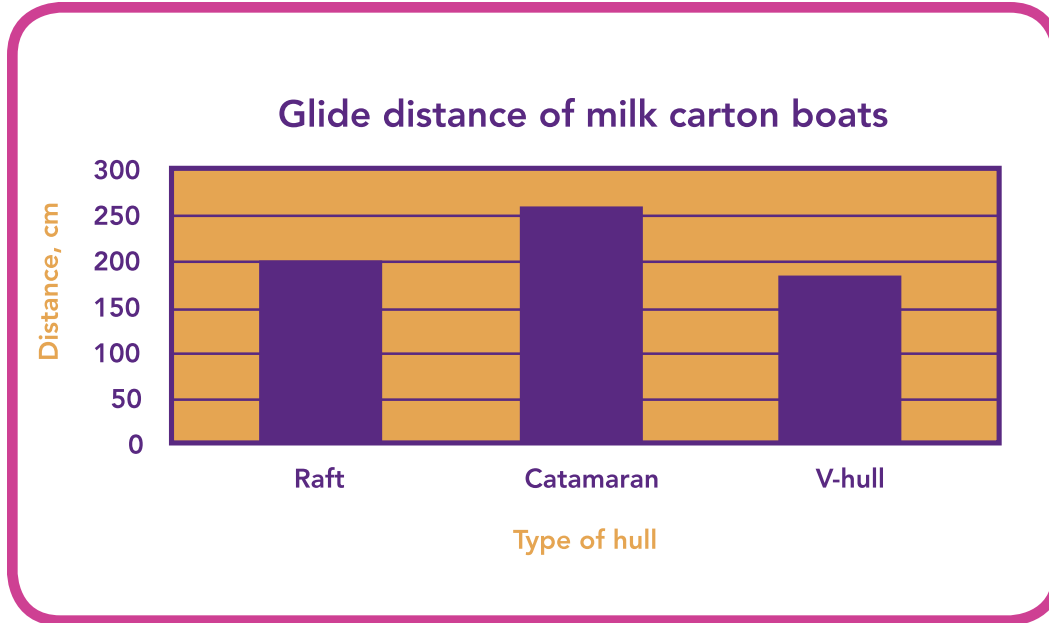


Activity 11: Doggone It!

Dog Color Vision Results



Activity 12: Anchors Aweigh!



Activity 14: High Flyers!

