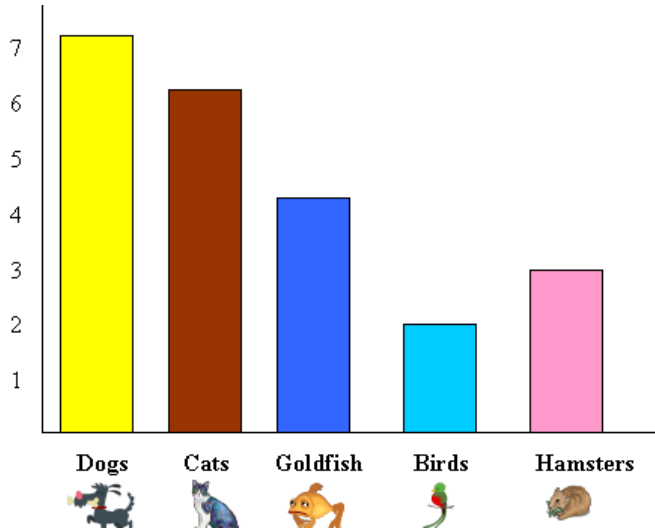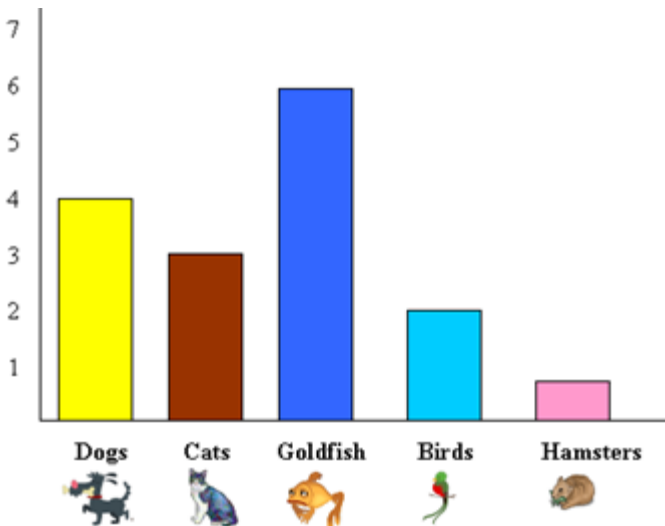# DATA ANALYSIS SKILL TEST 1: CONCEPT AND SYMBOLS

Note to teachers: It may be helpful to use a cover sheet of paper. Pull the cover sheet down far enough to show the model and read the text. Then, pull the sheet of paper down to show the problem and read the directions. Record "+" for an independent correct response or "-" for incorrect response beside number in blank.

___ **MODEL: Look at this bar graph. The highest value in the data set is dogs. That means that most students have dogs as pets.**
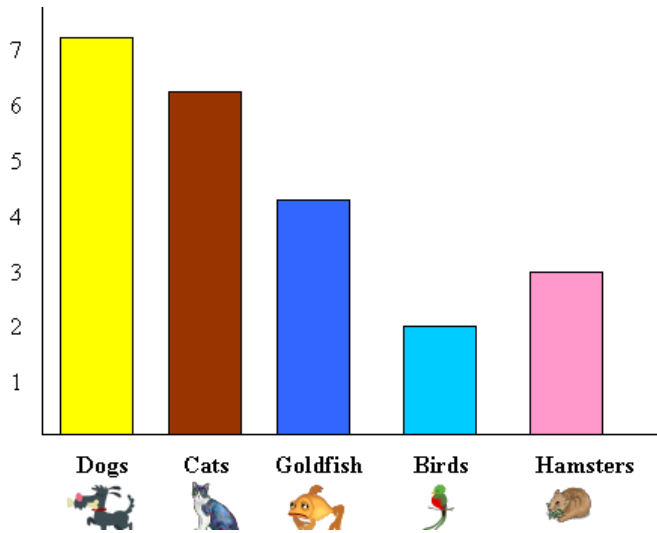

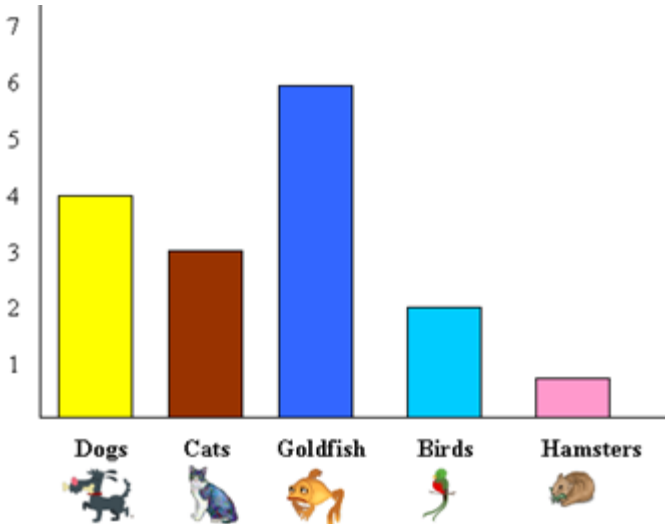**STUDENT PROBLEM: Circle (or otherwise mark) the highest value in this data set. What animal do most of these students have?**

___ MODEL: Look at this bar graph. The lowest value in the data set is birds. That means that the least amount of students has birds as pets.

STUDENT PROBLEM: Circle (or otherwise mark) the lowest value in this data set. What animal do the least number of these students have?

___ **MODEL: Look at this table. The highest value in the data set is 4 snowy days. That means that they had the most snowy days.**

Weather	Number of Days
Sunny	1
Rainy	2
Snowy	4

STUDENT PROBLEM: Circle (or otherwise mark) the highest value in this data set. What type of weather did they have the most days of?

Weather	Number of Days
Sunny	7
Rainy	3
Snowy	2

___ MODEL: Look at this table. The lowest value in the data set is 1 sunny days. That means that they had the least amount of sunny days.

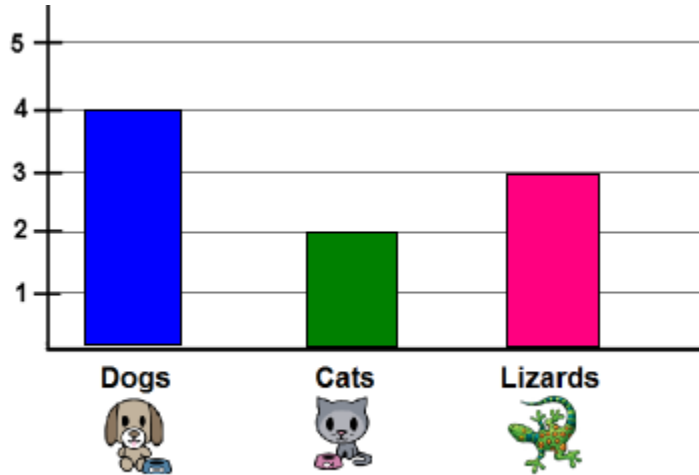| Weather	Number of Days
☀️ Sunny	1
🌧️ Rainy	2
🌨️ Snowy	4

STUDENT PROBLEM: Circle (or otherwise mark) the lowest value in this data set. What type of weather did they have the fewest days of?

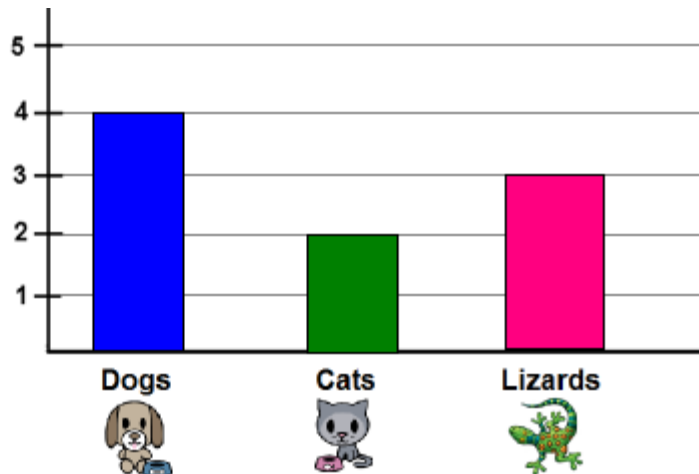| Weather	Number of Days
☀️ Sunny	7
🌧️ Rainy	3
🌨️ Snowy	2

___ **MODEL: Look at this table and bar graph. I have circled the number of people who have dogs on the table. Watch me circle the same data on the bar graph.**
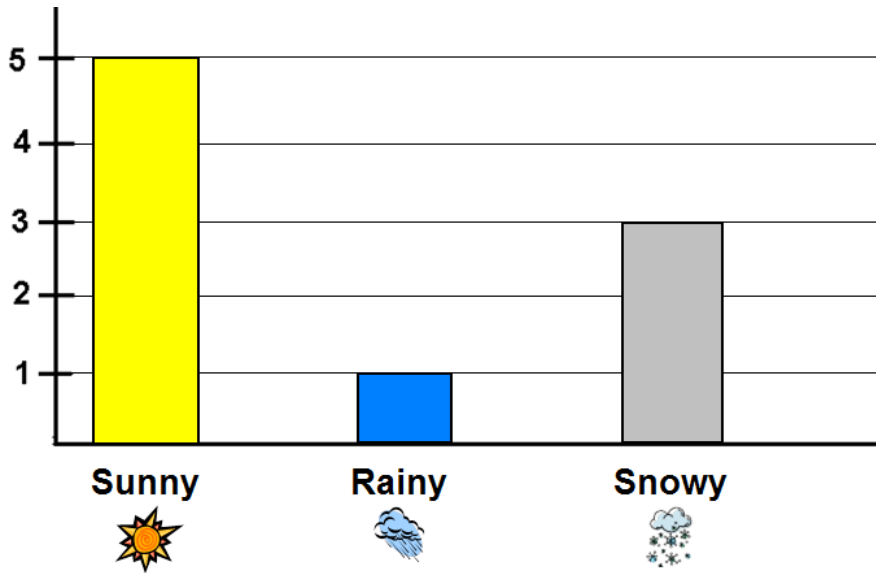

STUDENT PROBLEM: In this table the number of people who have lizards is circled on the table. Circle (or otherwise mark) the same data on the bar graph.

___ **MODEL: Look at this bar graph. Watch me circle the data showing which type of weather they had the most days of?**

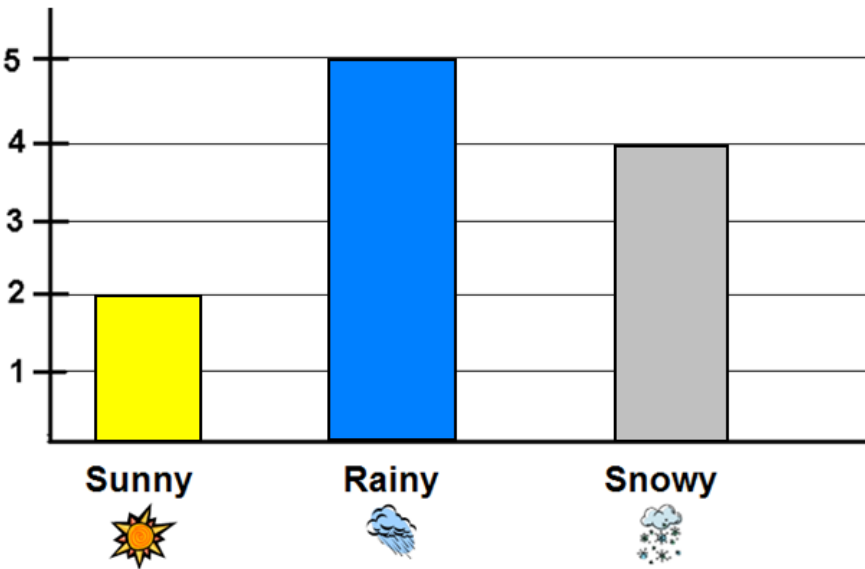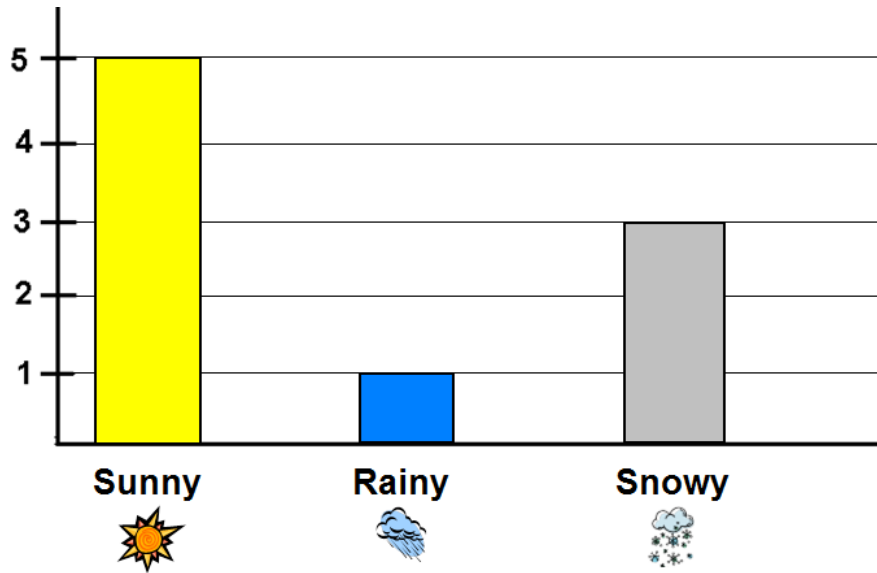**STUDENT PROBLEM: Circle (or otherwise mark) which type of weather did they have the most of?**

___ MODEL: Look at this bar graph. Watch me circle the data showing which type of weather they had the least days of?

STUDENT PROBLEM: Circle (or otherwise mark) which type of weather did they have the least of?