

Name _____
 Block _____
 Date _____

Graphing Practice

Graph the following information in the correct type of graph (bar, line or pie graph) and then answer the questions that follow the data. Each graph must have a title and labels for ALL information.

John grew purple daffodils in different temperatures to see if temperature affects growth. He thought that the plants grown in colder temperatures would grow faster than all the other plants. This is the data that he collected: (Put 3 lines on one graph)

	Plant 1	Plant 2	Plant 3
Day 1	2"	2"	2"
Day 5	3.25"	2.5"	3.1"
Day 10	4.0"	3"	3.3"
Day 15	5"	3.5"	3.5"
Day 20	5"	4"	6"
Day 25	5.7"	4.5"	6.8"
Day 30	7"	5"	7.4"
Day 35	8"	5.5"	8.6"
Day 40	8.2"	6"	9.0"
Day 45	8.2"	6.5"	10"

Plant 1 grown in 10 degrees Celsius
 Plant 2 grown in 25 degrees Celsius
 Plant 3 grown in 40 degrees Celsius

1. What is John's hypothesis?
2. Which flower was the tallest after 45 days?
3. Was John's hypothesis correct?

Lisa asked all the students in 10th grade what their favorite color was.

Color	Responses
Blue	88
Red	99
Green	13
Purple	159
Yellow	159
Pink	77
Black	21
Orange	89
Other	30
Total	735

4. Which color had the most responses?
5. Which color had the least?

Sue and Dan are presenting a report on the solar system. They put the following information in a graph.

Planet	Number of Moons
Mercury	0
Venus	0
Earth	1
Mars	2
Jupiter	16
Saturn	18
Uranus	20
Neptune	8
Pluto	1

- Which planet has the most moons?
- Which planet has the fewest number of moons?

Kyle and Kim found a piece of rock they think is from Mars. The following information is the percentage of elements in the rock.

Element	Percentage
Oxygen	34%
Silicon	14%
Aluminum	3%
Calcium	9%
Sodium	8%
Magnesium	11%
Potassium	13%
Titanium	3%
All other elements	5%

- What is the total percentage of elements?
- What element has the highest percentage?
- What element has the lowest percentage?

Color	Responses
Blue	88
Red	92
Green	13
Purple	100
Yellow	100
Pink	77
Black	21
Orange	89
Other	30
Total	735

- Which color had the most responses?
- Which color had the least?



