

Class Activity - Data Collection



Step 1:

Measure your hand span in inches using the ruler.

Step 2:

Convert your hand span from inches to mm.

(you may need to go to cm first then to mm)

Step 3: Write your answer in the table.

Step 4: Copy table into your notebook

Girls						
Boys						

Step 4: Using the Graph I gave you, create a bar graph of the hand span data.

- ↓ EACH HAND SPAN SHOULD HAVE TWO BARS!!
 - ← 1 for girls
 - ← 1 for boys
- ↓ Color code the bars (choose a color for girls and choose a color for boys)

**Step 5: convert your height
in inches to cm**

Step 6: Fill in chart on the board

**Step 7: Fill in chart in your
notebook**

**Step 8: Create Scatter plot of
the data on graph provided**

↓ A biologist studying ponds in Alaska wants to determine if the temperature of a pond affects the length of the fish in that pond. He traps and measures fish in each pond, gathering the following data:

Pond	Pond A	Pond B	Pond C	Pond D
Temperature	10 °C	14 °C	18 °C	20 °C
Fish Size	4 cm, 8 cm, 14 cm, 10 cm, 6 cm, 2 cm	6 cm, 8 cm, 10 cm, 10 cm, 12 cm	5 cm, 8 cm, 12 cm, 14 cm, 10 cm, 20 cm	8 cm, 10 cm, 10 cm, 14 cm, 24 cm

1. Choose a way to represent this data using either a bar graph or a scatter plot. (Don't Forget TAILS)
2. Justify why you chose that graph
3. Then write a summary of the data to answer the question as to whether temperature is related to the size of fish.