Graphing data assignment:

1. This list shows people's favorite pizza topping. Make a bar graph and a picture graph for this data, using a single unit scale
pepperoni
cheese
pepperoni
mushroom
cheese
cheese
mushroom
olive
cheese
cheese
pepperoni
cheese
pepperoni
cheese
pepperoni
cheese
mushroom

2. This list shows people's favorite season. Make a scaled bar graph and a scaled picture graph for this data (using something other than a single unit scale). Show with a key or a frequency axis what the scale is for each graph.

fall
summer
summer
summer
winter
spring
summer
summer
spring
summer
summer
summer
fall
summer
summer
summer
spring
spring

3. This list shows people's height measured to the nearest inch. Add your own height to the data, and graph the data with a dot plot/line plot.

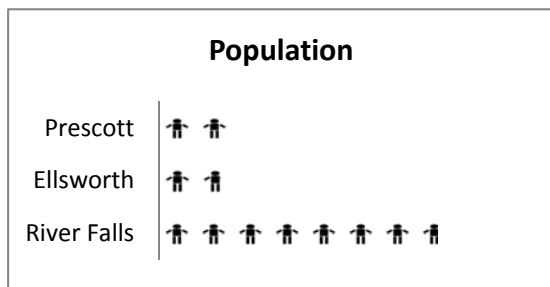66 65 62 65 70 69 68 66 64 67 66 70 69 64 64 69   64 65

4. This list shows the length of people's foot measured to the nearest quarter inch (I have ordered them for you). Measure your own foot using a ruler, and add your data to the table. Graph the data with a dot plot/line plot.

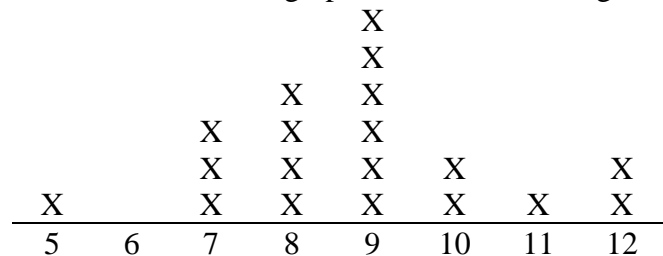| 8 3/4	9	9	9	9	9 1/4	9 1/4	9 1/2	9 1/2
9 1/2	9 3/4	9 3/4	10	10	10 1/4	10 1/4	11	11

5. Give two more examples of category data that you could collect with a class of second or third graders.

6. Give two more examples of measurement data you could collect with a class of second or third graders.
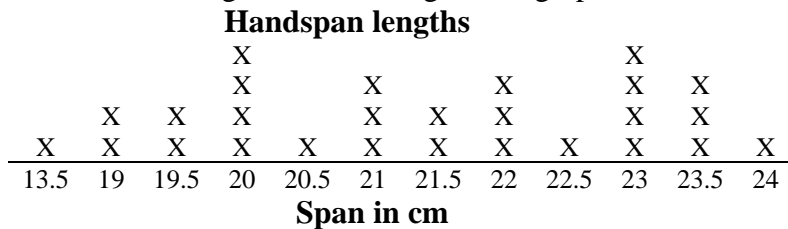
---

9. What should this graph have that's missing?

Population

Prescott	🛉 🛉
Ellsworth	🛉 🛉
River Falls	🛉 🛉 🛉 🛉 🛉 🛉 🛉 🛉

10. What should this graph have that's missing?

```
                        X
                        X
                X       X
        X       X       X
        X       X       X       X                       X
  X     X       X       X       X       X       X       X
  5     6       7       8       9       10      11      12
```

---

11. What's wrong/what's missing in this graph?

Handspan lengths
```
        X                               X
        X               X       X       X    X
    X   X   X           X   X   X       X    X
X   X   X   X   X   X   X   X   X   X   X    X
13.5  19  19.5  20  20.5  21  21.5  22  22.5  23  23.5  24
        Span in cm
```

12. What's wrong with how this graph was made?

cat   dog   horse