Statistics IN THE MIDDLE

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T^3 Regional Instructor

Human Box Plot

- Order yourselves from shortest to tallest.
- Find the person in the middle.
- Find the middle of the lower half.
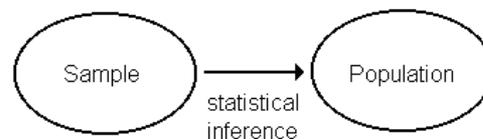- Find the middle of the upper half.

What comes to mind when you look at these pictures?

Inference: a conclusion reached on the basis of evidence and reasoning

In Statistics we use

>box plots

>dot plots

>histograms

>bar charts

>stem plots

to plot our evidence.

Random Sampling

7.SP.A.2

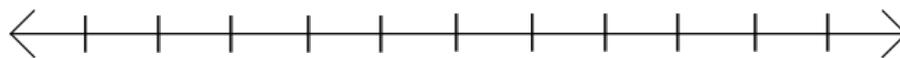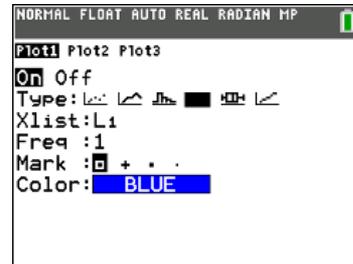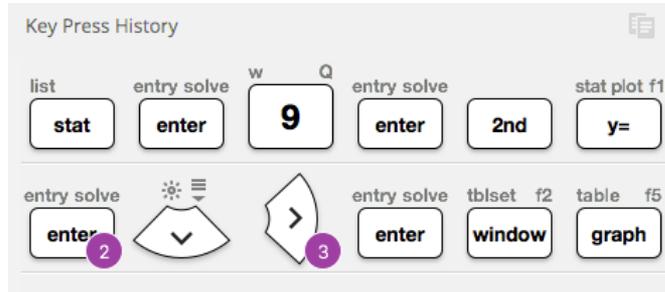Math-Prob-RandInt(1,40,10)

How much time to you spend on your phone?

```
Key Press History

list        entry solve    w       Q      entry solve              stat plot f1

stat        enter          9       enter          2nd              y=

entry solve                               entry solve  tblset  f2  table  f5

enter                                     enter        window      graph
```

```
NORMAL FLOAT AUTO REAL RADIAN MP

Plot1 Plot2 Plot3
On Off
Type: ⌷ ⌷ ⌷ ⌷ ⌷ ⌷
Xlist:L₁
Freq :1
Mark :□ + · ·
Color:    BLUE
```

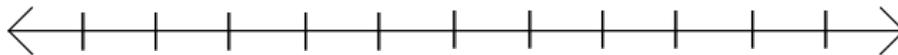What is the range?   What does the upper

What is the median?   whisker represent?

What does box represent?   Tell me about the shape.

WSSA

Data Display for Cup Stacking

but do all of them smile.........

1. Pick up one cup of goldfish.

2. Count the number of goldfish.

3. Count the number who are smiling.

4. Create a fraction and change to a percent.

5. Plot your result.

6. Make a guess.

it is...
24%

I've Got The Blues!

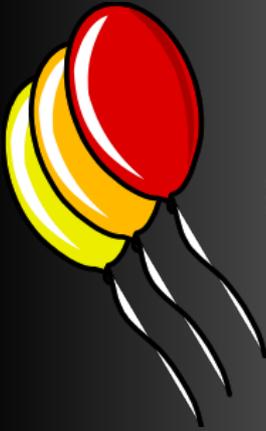Is there an association between how far you can throw the pool noodle with you dominate vs nondominate hand?

Go outside, gather data

and plot best fit line.

**Middle Grades Math
Statistics and Probability**

https://education.ti.com/en/building-concepts/activities/statistics

https://education.ti.com/en/84activitycentral/us/middle-grades-math/statistics-and-prob

TEXAS
INSTRUMENTS

Have a great rest of the year!!!!