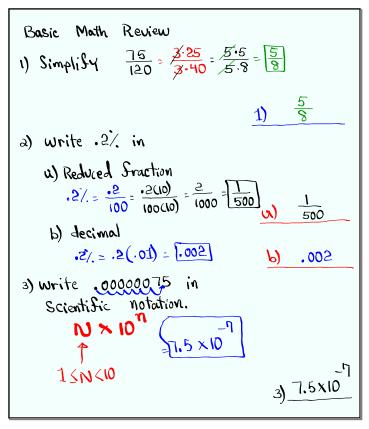


Feb 19-8:47 AM



Jun 24-4:49 PM

Jun 24-4:57 PM

Use Your Calc. to Sind

1)
$$\frac{10(625) - 25^2}{20} = \frac{6250 - 625}{20} = \frac{5625}{20} = 281.25$$

Round to Ans whole 281

a) $\frac{45 - 33}{8}$
 $\frac{12}{16} = \frac{12}{2} = \frac{12}{2} = 6$

3) $1.645 \cdot \sqrt{\frac{(2)(8)}{25}} = 1.645 \cdot \sqrt{\frac{16}{25}}$
 $= 1.645 \cdot \frac{4}{5} = \cdot 1316$

Round to $1-\text{dec}$
 $2-\text{dec}$
 $3-\text{dec}$
 $3-\text{dec}$
 $3-\text{dec}$

Jun 24-5:04 PM

Jun 24-5:11 PM

Eiven
$$y = 4x - 60$$

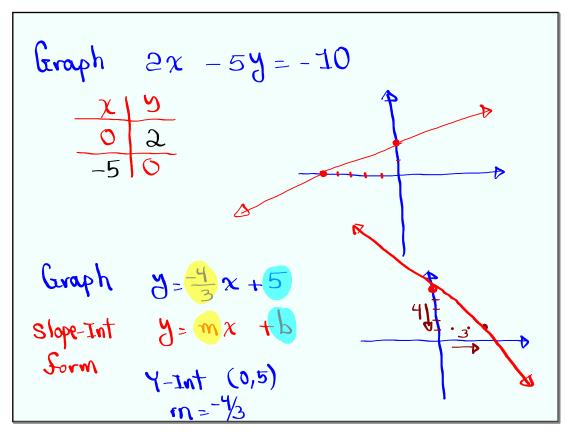
1) Sind y when $x = 15$.

 $y = 4(15) - 60 = 60 - 60 = 0$

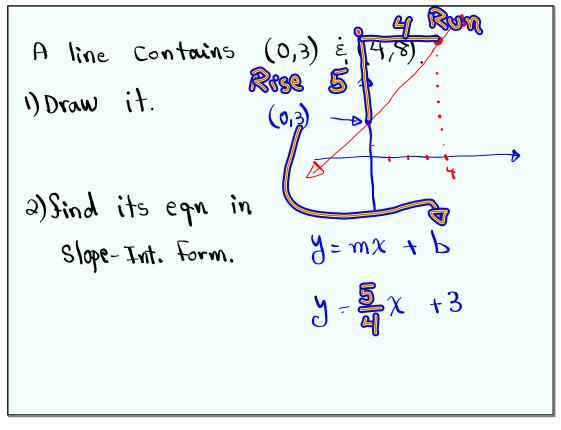
2) Sind x when $y = 60$.

 $60 = 4x - 60$
 $60 + 60 = 4x$
 $120 = 4x$
 $x = \frac{120}{4}$ $x = 30$

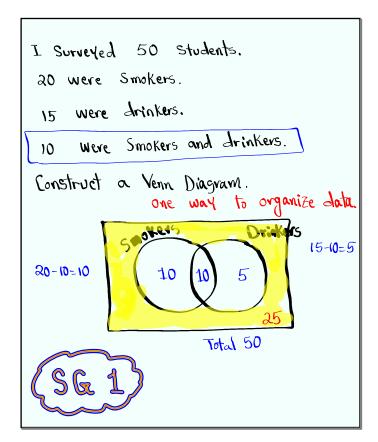
Jun 24-5:16 PM



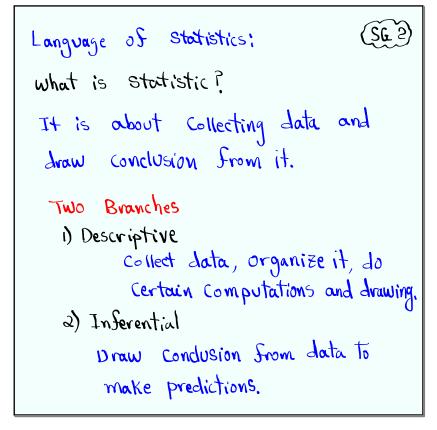
Jun 24-5:20 PM



Jun 24-5:27 PM



Jun 24-5:33 PM



Jun 24-6:00 PM

```
Types of data

1) Qualitative (Non-Numerical)

2) Quantitative (numerical)

(i) Qualitative

Data

2) Quantitative

(i) Discrete (Countable)

2) Quantitative

2) Continuous (measureable)

Color of shirts

4 of students in class

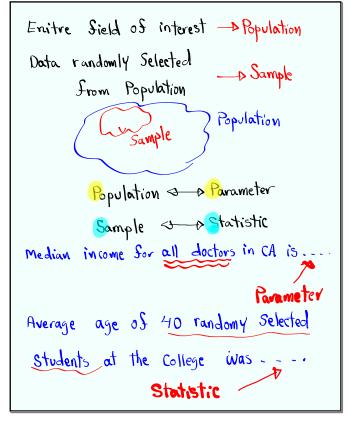
Quantitative

Classroom Temp.

75° Quantitative

Continuous
```

Jun 24-6:04 PM



Jun 24-6:09 PM

```
Level of measurements:

1) Nominal - Names, order is not meaningful.

Red, white, Black, Blue

2) ordinal - Names, order is meaningful.

Small, Medium, Large, × large

3) Ratio - meaning ful ratio

4) Interval - Small (1202) - Large (2402)

Large is twize Small.

Large of Values

90% - 100% - A

1202 - 19902 - $3

Stamp
```

Jun 24-6:15 PM

```
Methods on Collecting Data:
 1) Systematic every Kth item Selected
2) Stratified divide into groups
               Select Sew From every group
               Males & Females
 3) Cluster Divide into groups
                Select Some of groups
                Collect data from all members
                of Selected groups.
College offers 100 sections of math classes
this Semester
Randomly Select 20 Sections
 Ask Students From these Sections to da
 a Survey.
4) Random or Convenience
          Lenst reliable Method
```

Jun 24-6:22 PM

Observation Vs Experiment

You observe changes without any action taken

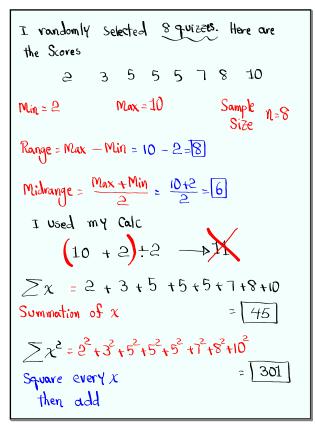
You take actions and observe changes.

You noticed heavy You take certain traffic after rain. medicine for

blood Sugar level.



Jun 24-6:33 PM

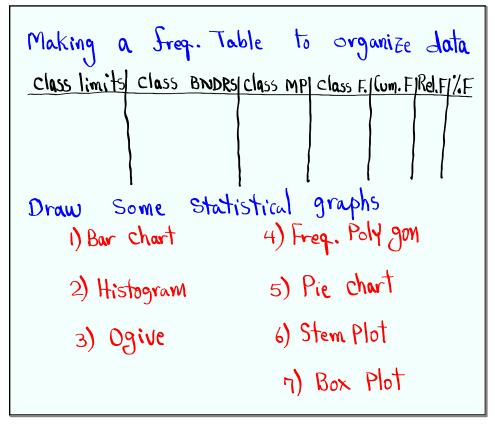


Jun 24-6:38 PM

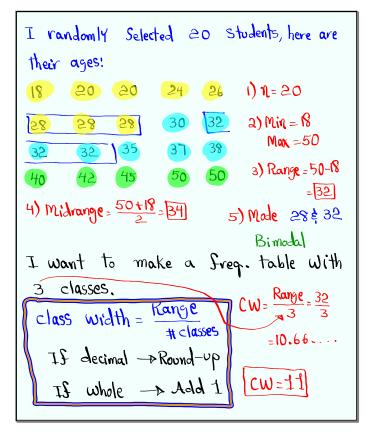
Sind
$$\frac{2x}{n} = \frac{45}{8} = 5.625$$

Find $\frac{n \ge x^2 - (\ge x)^2}{n(n-1)} = \frac{8.301 - 45^2}{8(8-1)}$
 $= \frac{3408 - 3025}{9.7} = \frac{383}{56}$
What is the mode? ≈ 6.839
Data that appears the most.

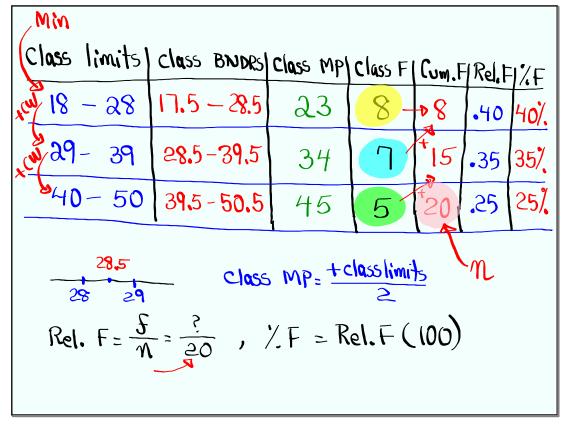
Jun 24-6:45 PM



Jun 24-6:49 PM



Jun 24-6:54 PM



Jun 24-7:02 PM