



Pre-Algebra

D-Block

Agenda:

- What is left? 1 week-then MCAS
- Measures of Central Tendency

To Do Now:

- Have your notebook on your desk.
- Have your Math's Mate (4-6) passed up with your name to the top.

Homework:

MCAS Session 1 & 2...SHOW ALL WORK!!! Include even the most basic of work, arithmetic...any question that does not show work will be considered wrong.

Nov 4-10:28 AM

Review

David joined a gym for one month. He paid a monthly fee of \$20 plus \$5 for each visit. The equation below can be used to find c , the total cost of joining the gym for one month and making v visits.

$$c = 20 + 5v$$

Which of the following is true?



- A. As the total cost increases, the number of visits decreases.
- B. As the total cost decreases, the number of visits stays the same.
- C. As the number of visits increases, the total cost increases.
- D. As the number of visits decreases, the total cost stays the same.

Apr 27-7:01 PM

Review

What is the slope of the line represented by the table of values below?

x	y
0	20
1	10
2	0
3	-10

$$Y = \cancel{A}X + B$$

$$\frac{-10}{1}$$

$$\frac{y_2 - y_1}{x_2 - x_1}$$

Apr 27-7:10 PM

Frank has 2 Massachusetts quarters and 3 “Eagle” quarters in his pocket, as pictured below.

He will select a quarter at random, look at it, and put it back. Then he will select another quarter at random. What is the probability that Frank will select a Massachusetts quarter both times?

$$\frac{2}{5} \cdot \frac{2}{5} = \frac{1}{4} = \frac{4}{25}$$



Apr 27-7:12 PM

Lisa bought a silver chain. She wants to buy glass beads to put on the chain. The equation below can be used to determine y , Lisa's total cost, in dollars, to buy a silver chain and x glass beads.

$$y = 2x + 10$$

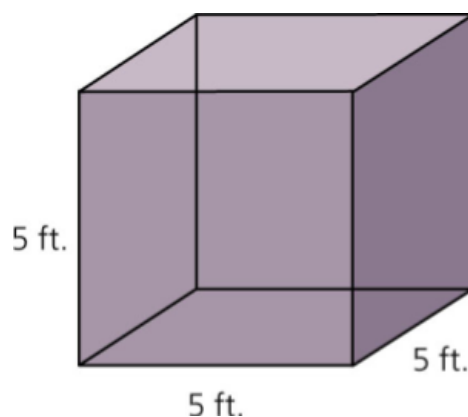
Number of Beads(x)	Total Cost(y)
0	\$10
5	\$20
10	
15	
25	
40	

- A. What does the 2 in the equation represent? Explain your reasoning.
B. What does the 10 in the equation represent? Explain your reasoning.

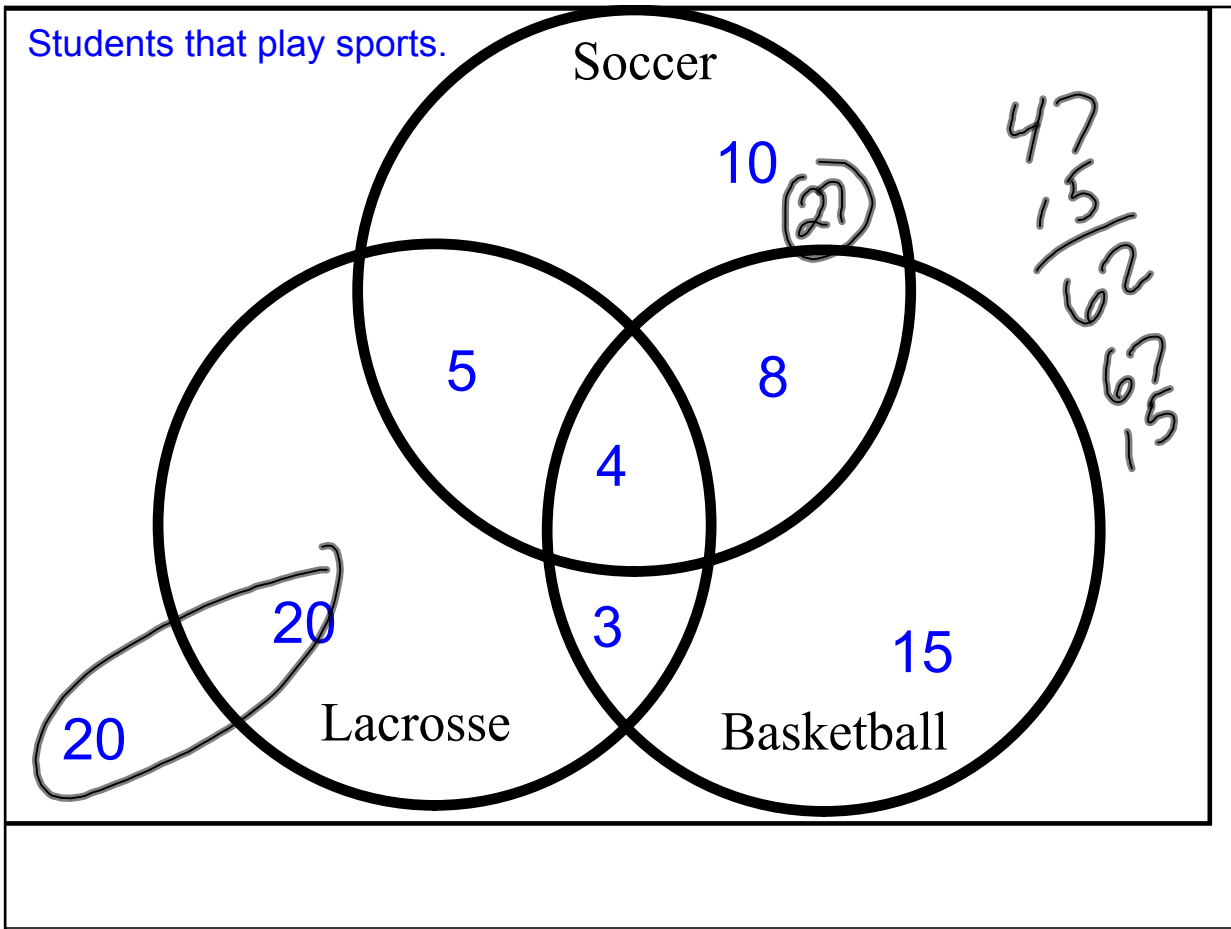
Apr 27-7:14 PM

Volume-Area-Perimeter

Find the Surface Area and Volume of the following shape.



Apr 29-6:08 AM



Terms to know

- Mean (Average)
- Median
- High
- Low
- Range 1-9 (8)
- Mode ~~NO MODE~~
- Lower Quartile
- Upper Quartile
- Interquartile Range
- Sample Size

1, 3, 5, 9

Handwritten number line: 1, (3 | 5), 9. An arrow points from the vertical line to the number 4 below it.

Number of ~~siblings~~
PETS

3.5

Q₁ Q₃

1 1 2 3 3 4 4 4 6 7

MEAN: $\frac{35}{10} = 3.5$

HIGH: 7 Q₁ LOWER QUARTILE

LOW: 1 Q₃ UPPER QUARTILE

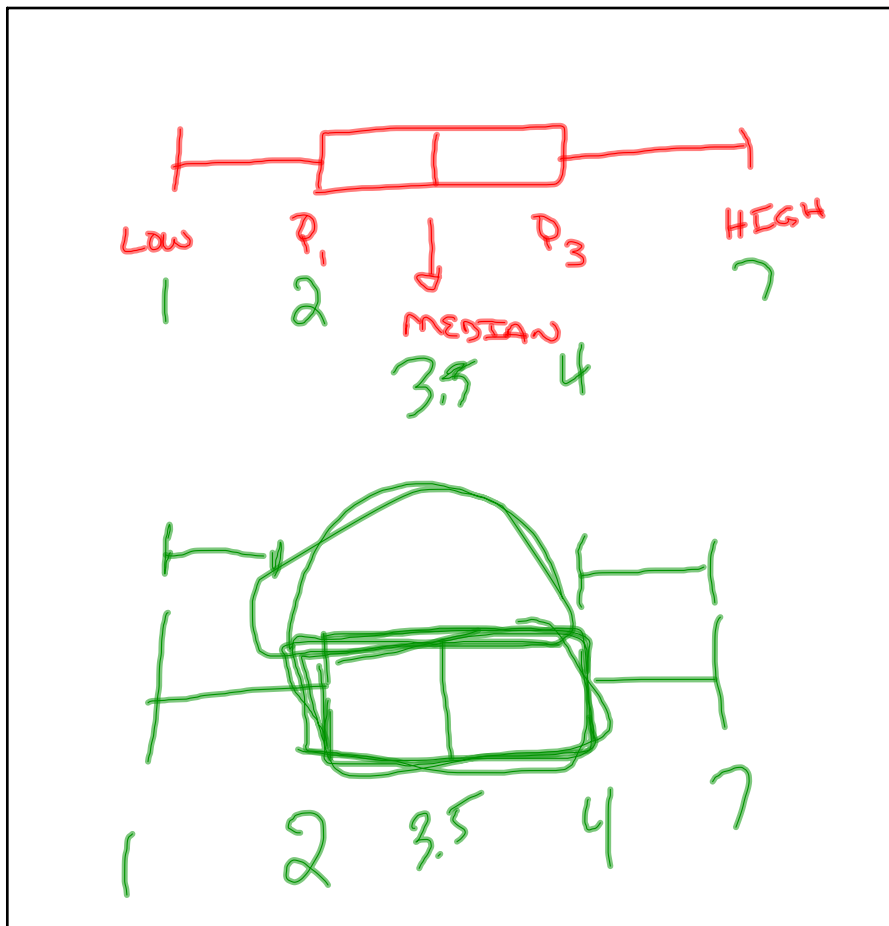
MEDIAN: 3.5 INTERQUARTILE RANGE: 2

MODE: 4

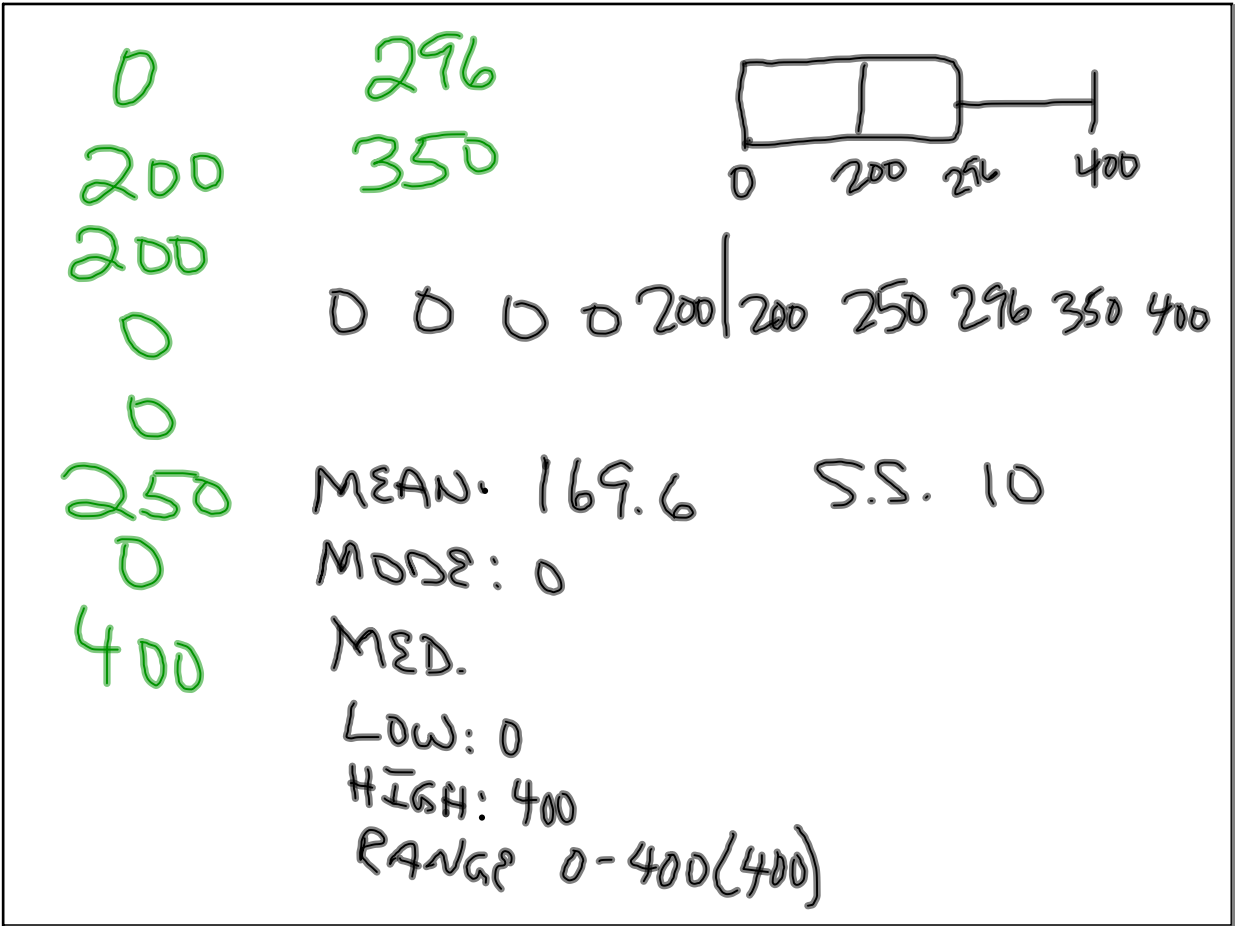
RANGE: 1 - 7 (6)

S.S. 10

Apr 27-7:27 PM



May 3-10:20 AM



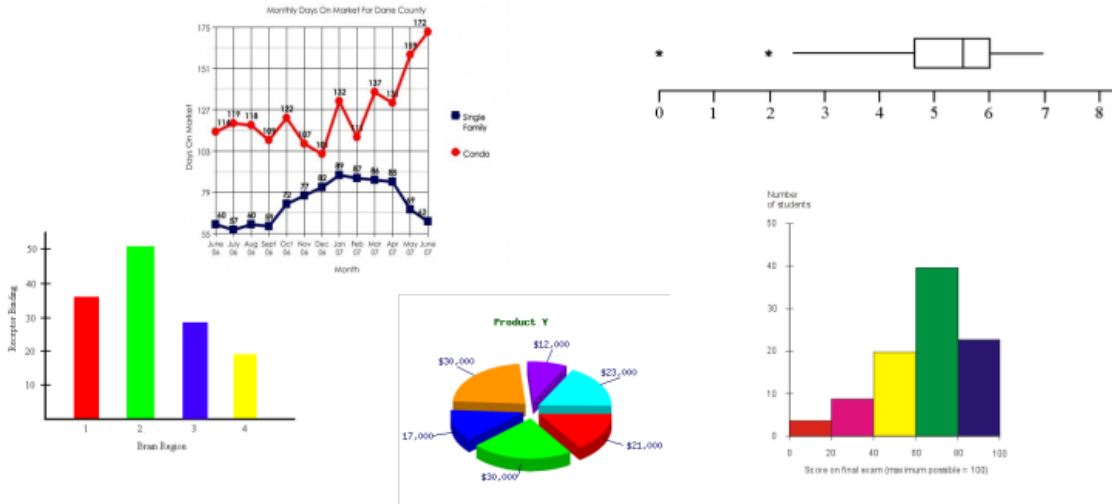
May 3-10:23 AM

Day of your birthday

Apr 27-7:28 PM

Ways of representing data

Histogram Line Graph Bar Graph Pie Chart Box-Whisker Plot



Apr 27-7:32 PM

Box-Whisker Plot

Lower Quartile (Q_1)

Upper Quartile (Q_3)

Interquartile Range

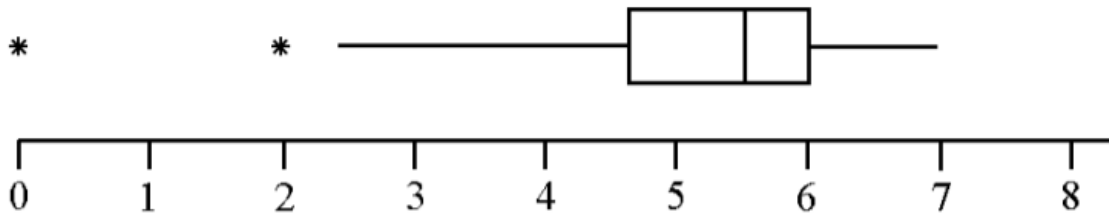
Outlier

Apr 27-7:41 PM

Box-Whisker Plot



Apr 30-6:24 AM



Apr 30-6:26 AM

Review

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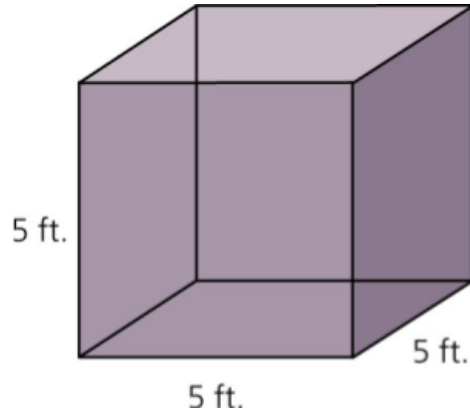
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Apr 27-7:14 PM

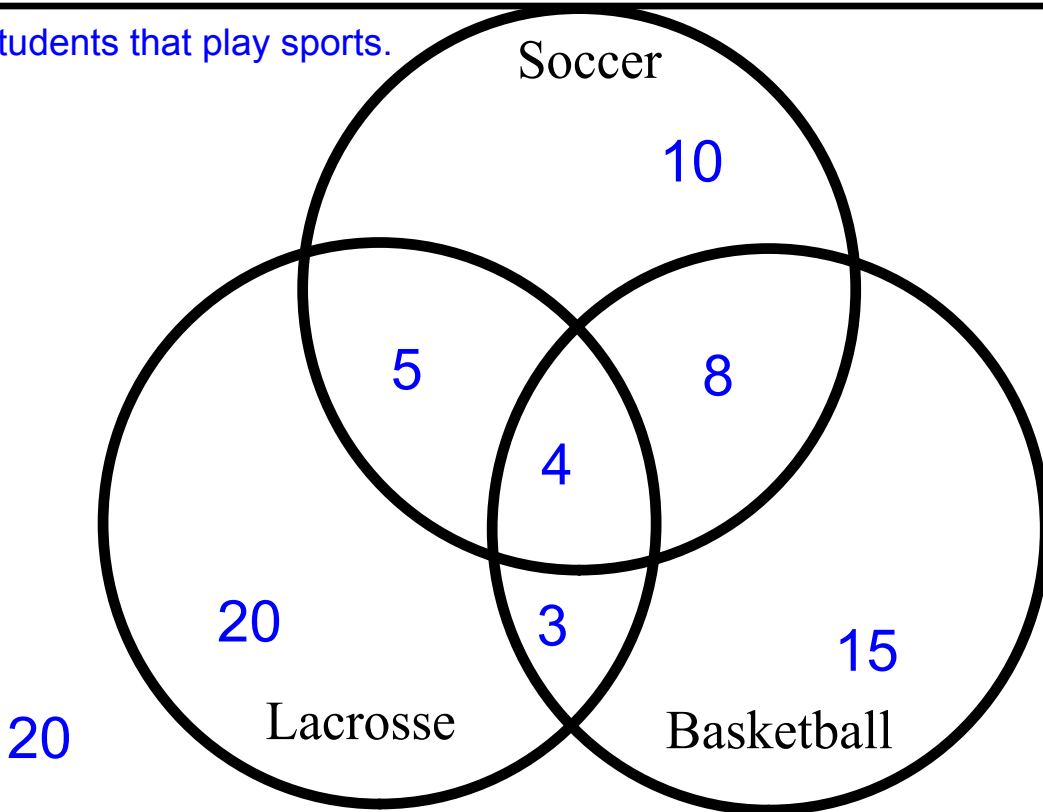
Volume-Area-Perimeter

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Apr 29-6:08 AM

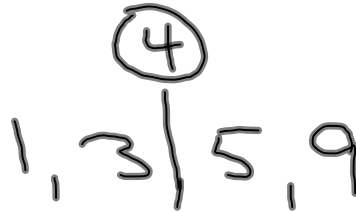
Students that play sports.



Three data sets - black

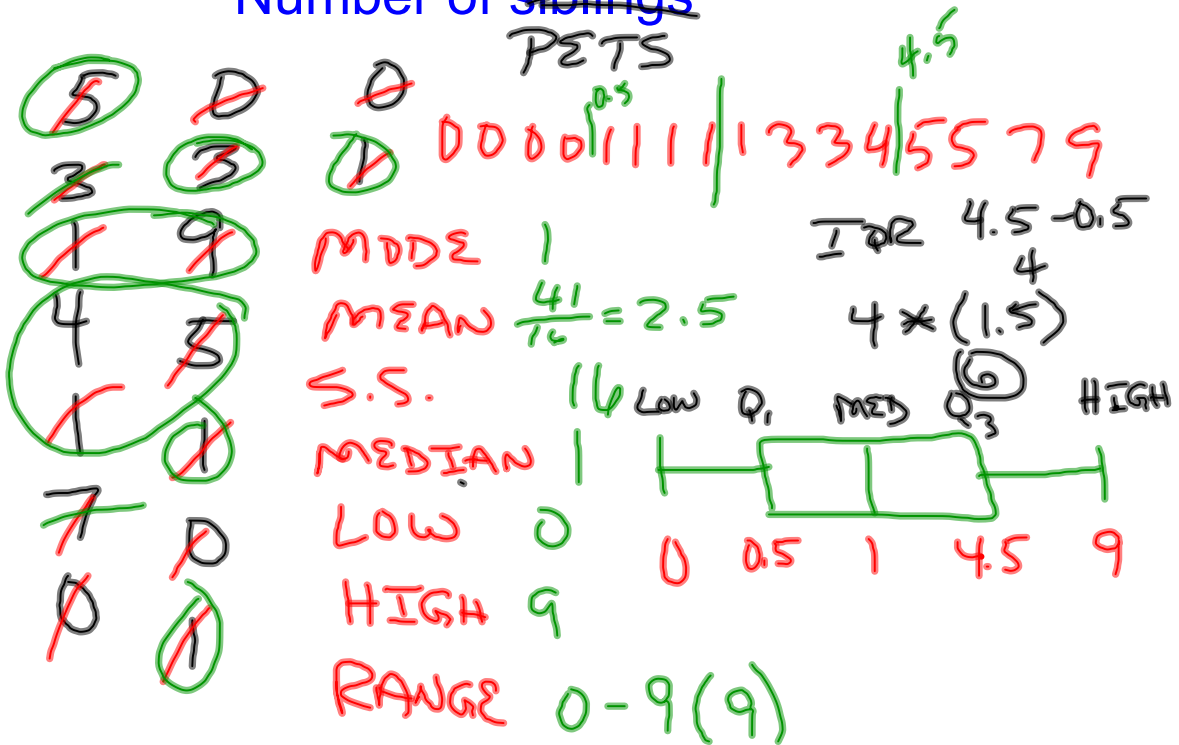
Terms to know

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- Lower Quartile
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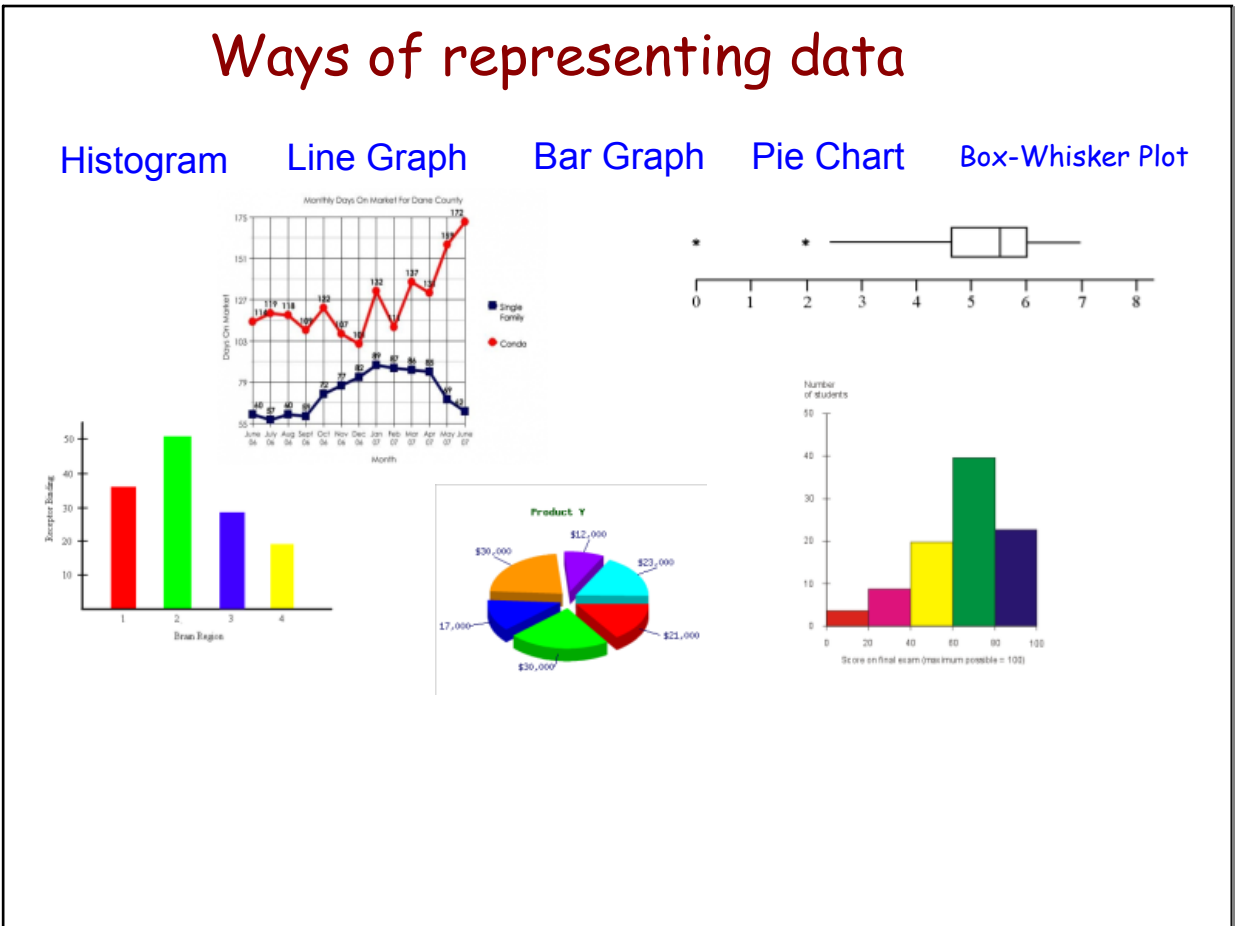
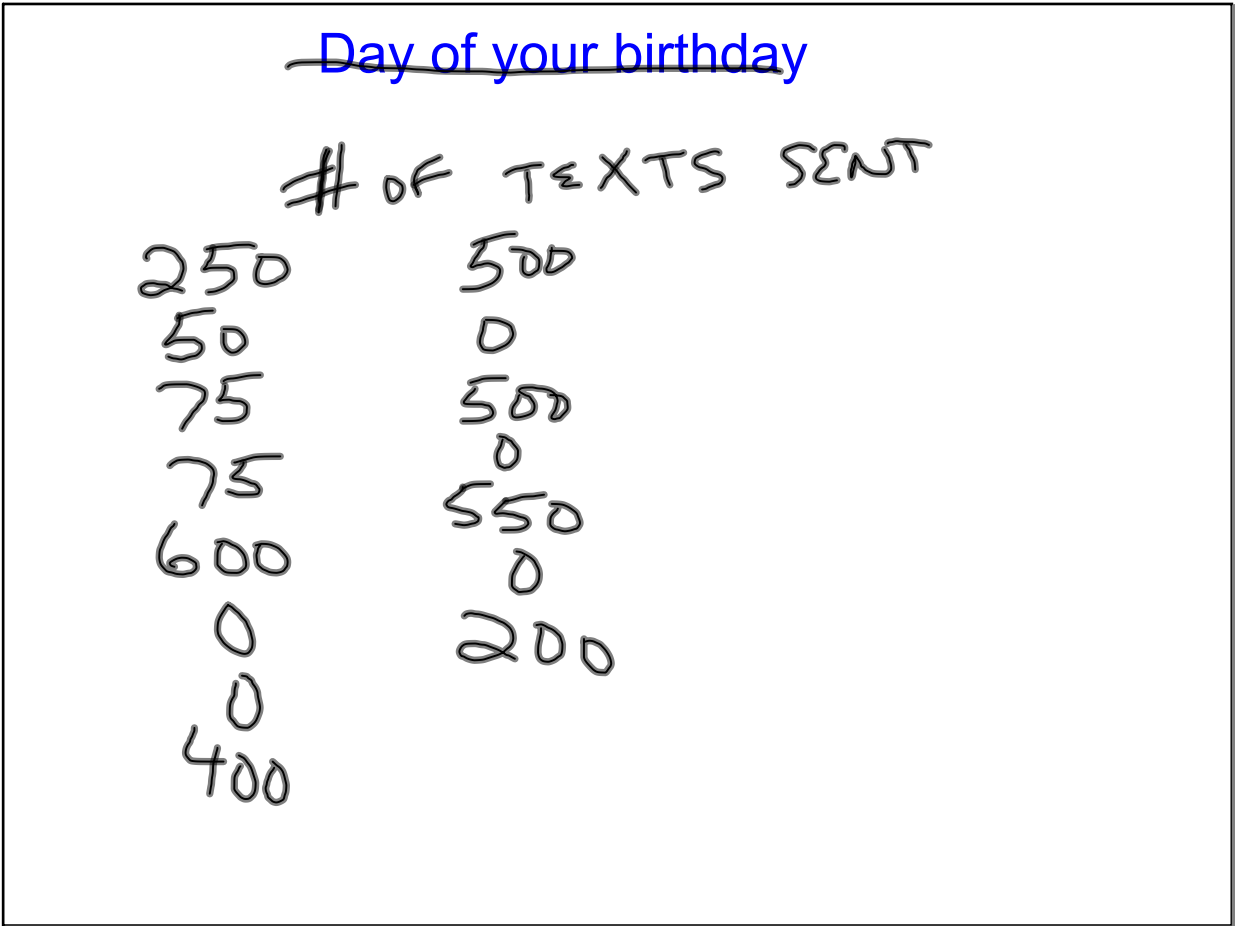


Apr 27-7:22 PM

Number of siblings



Apr 27-7:27 PM



Box-Whisker Plot

Lower Quartile (Q_1)

Upper Quartile (Q_3)

Interquartile Range

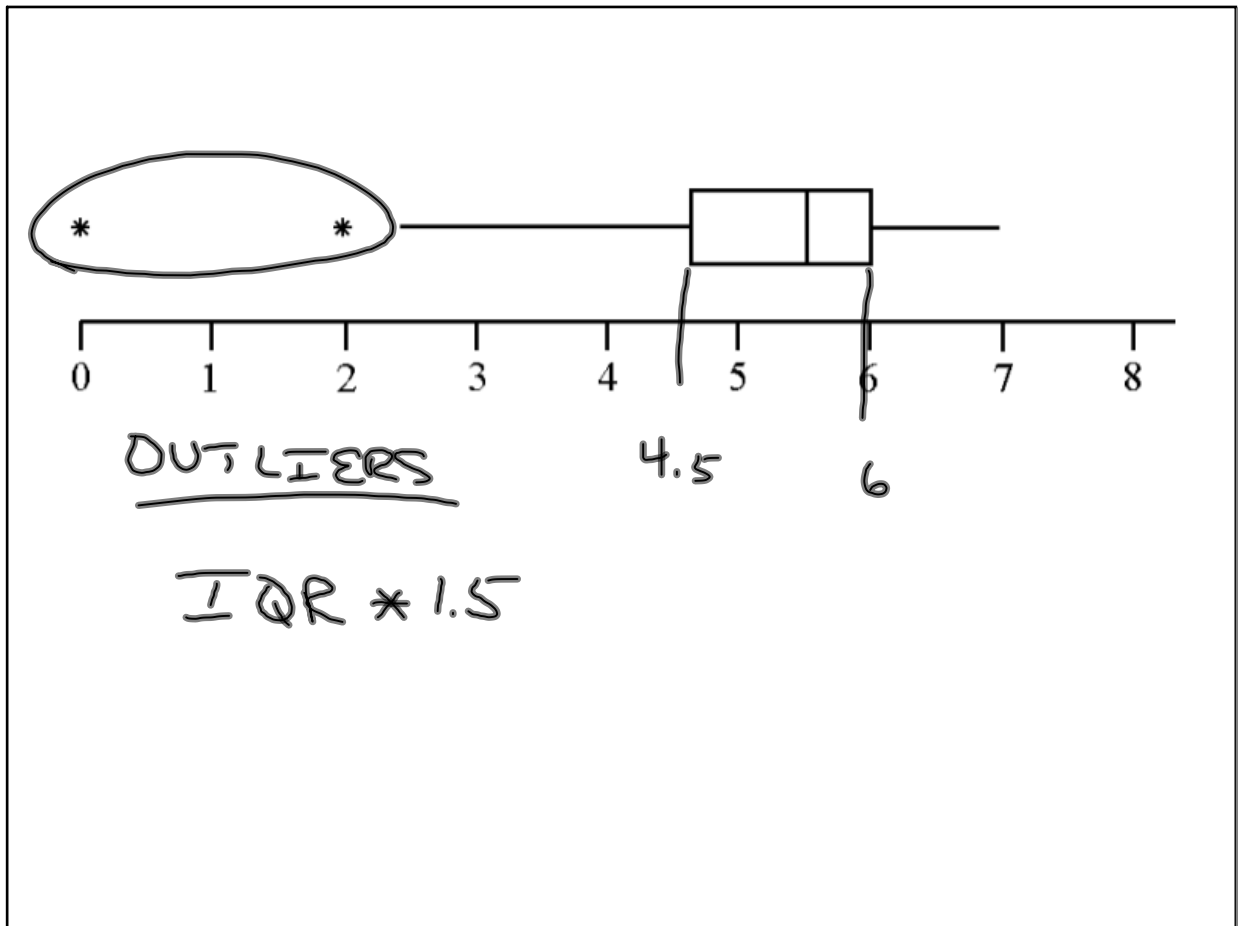
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Apr 27-7:41 PM

Box-Whisker Plot



Apr 30-6:24 AM



Apr 30-6:26 AM



Intro to Algebra

Agenda:

- What is left? 2 weeks-then MCAS
- MCAS review today
- Geometry packet

Page 13 EX3 change C to (2, -2) and D to (4, 2)

To Do Now:

- Have your notebook on your desk.
- Have your Geometry Packet out. Work in groups of TWO only to complete by tomorrow.

Homework:

Math's Mate 4-6 (not #31-33) and Geometry Packet

Nov 4-10:28 AM

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$$\frac{y_2 - y_1}{x_2 - x_1}$$

$$\frac{10 - 0}{1 - 2} = \frac{10}{-1}$$

Apr 27-7:10 PM

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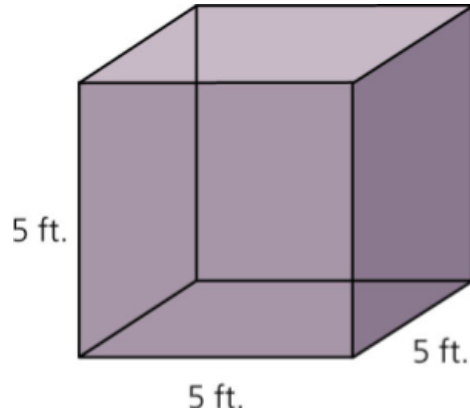
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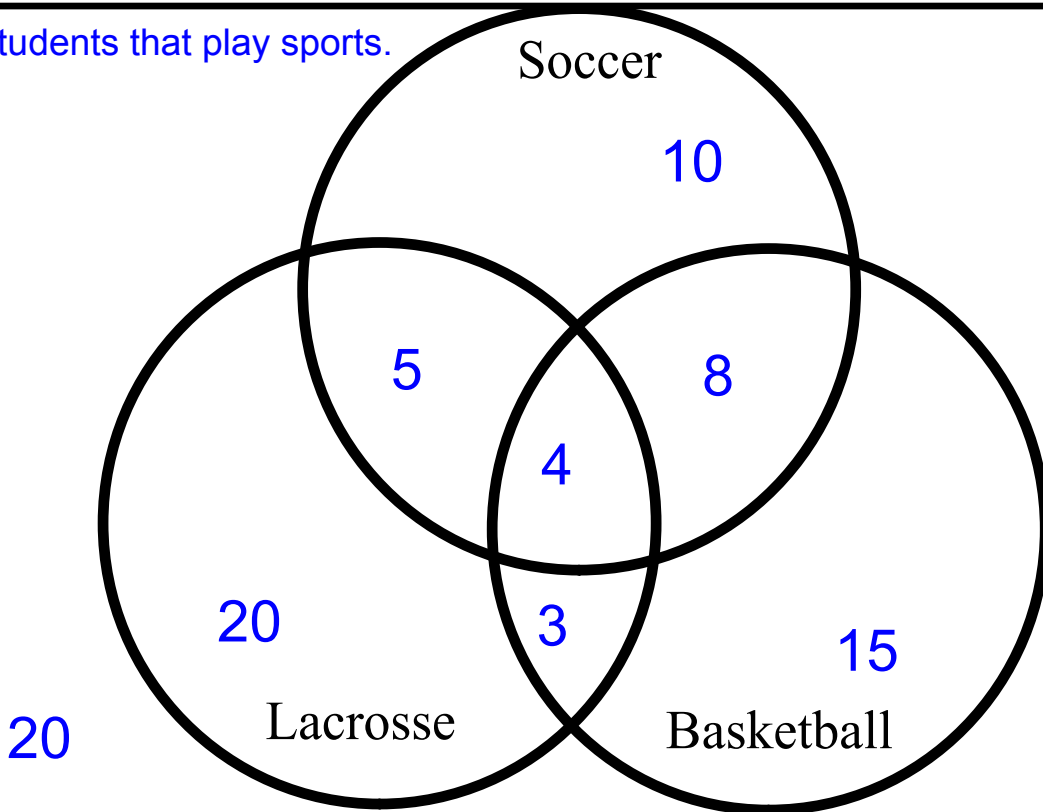
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Apr 29-6:08 AM

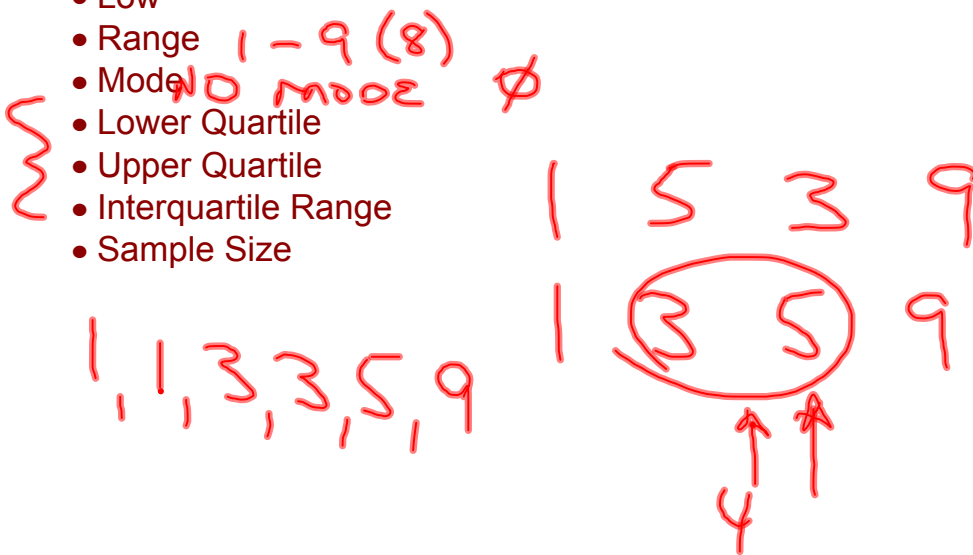
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Three data sets - black

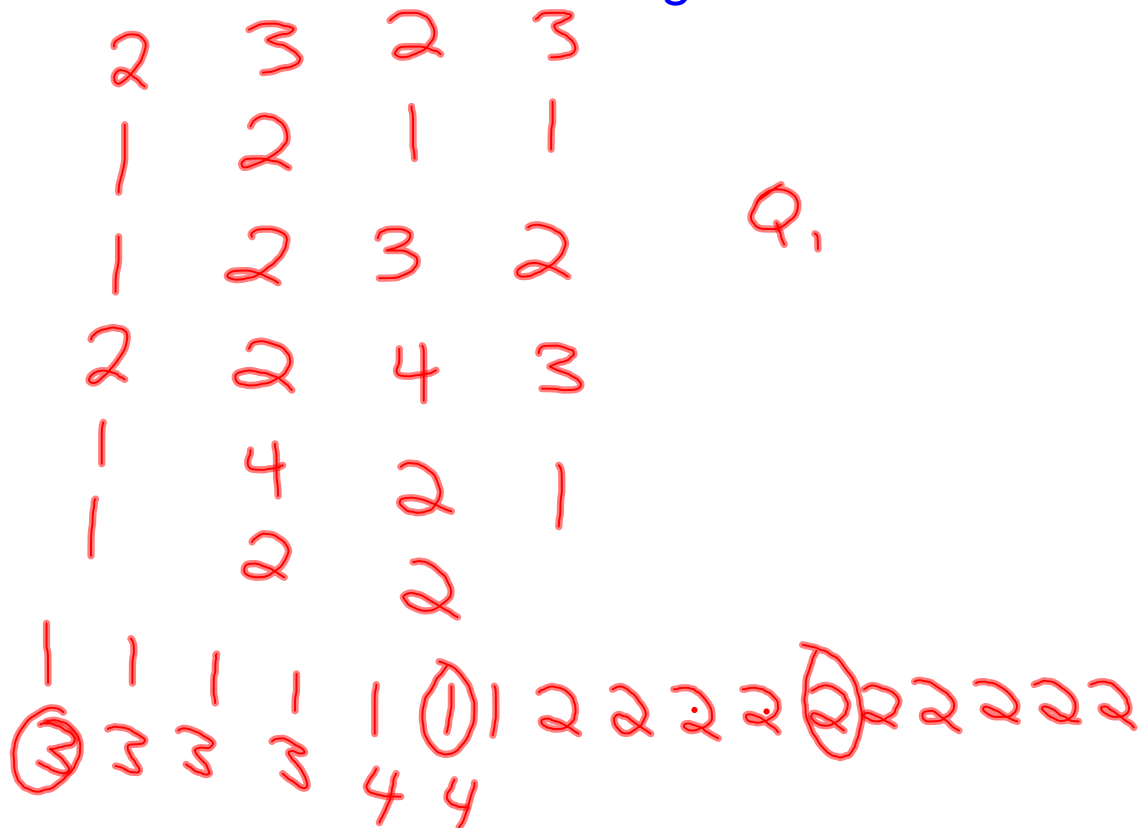
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Apr 27-7:22 PM

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Apr 27-7:27 PM

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Apr 27-7:28 PM

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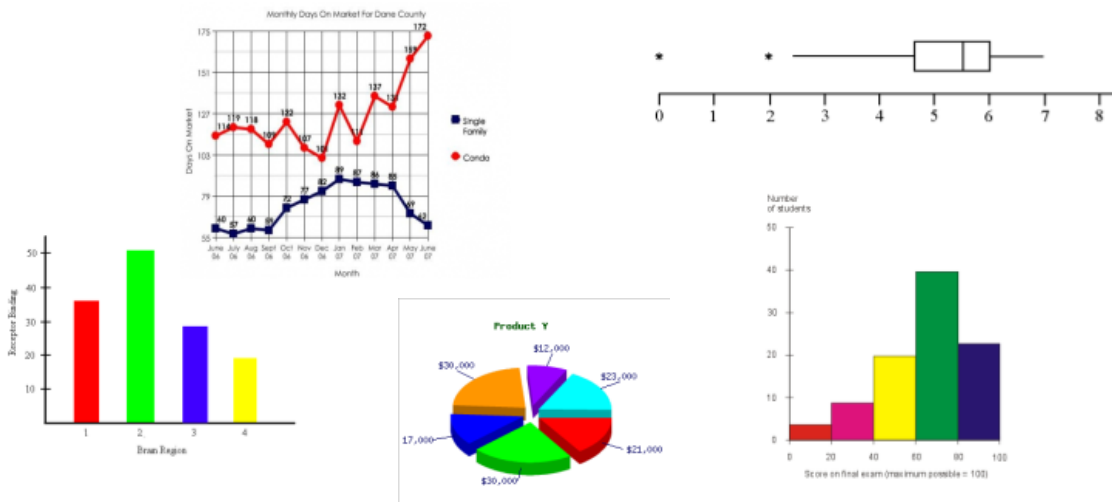
Histogram

Line Graph

Bar Graph

Pie Chart

Box-Whisker Plot



Apr 27-7:32 PM

Box-Whisker Plot

Lower Quartile (Q_1)

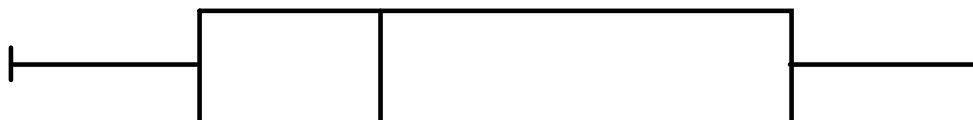
Upper Quartile (Q_3)

Interquartile Range

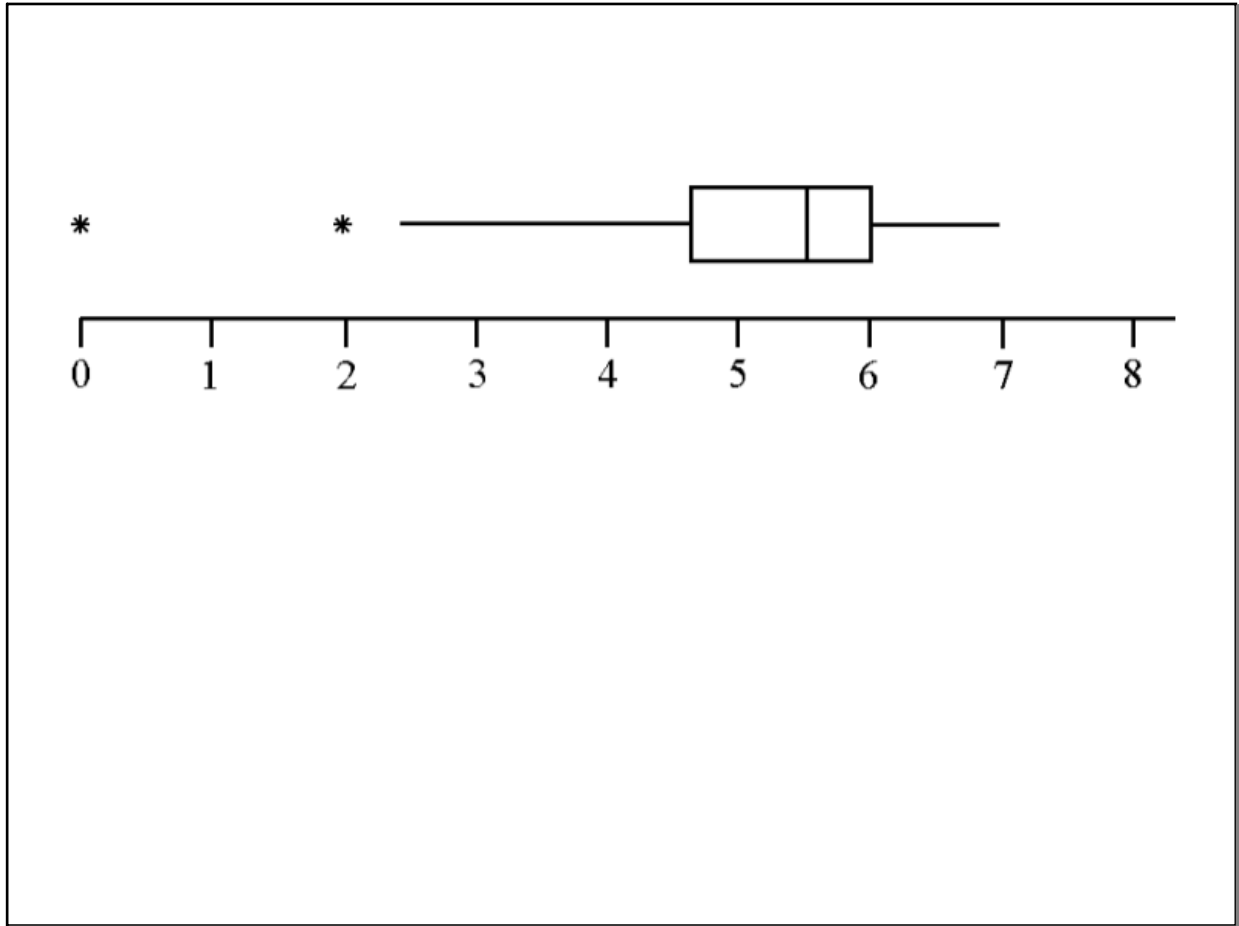
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Apr 27-7:41 PM

Box-Whisker Plot



Apr 30-6:24 AM



Apr 30-6:26 AM



Adv. Algebra

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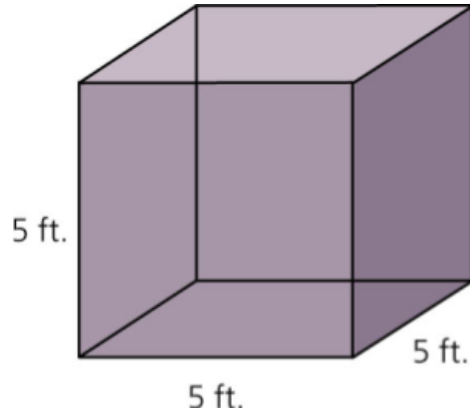
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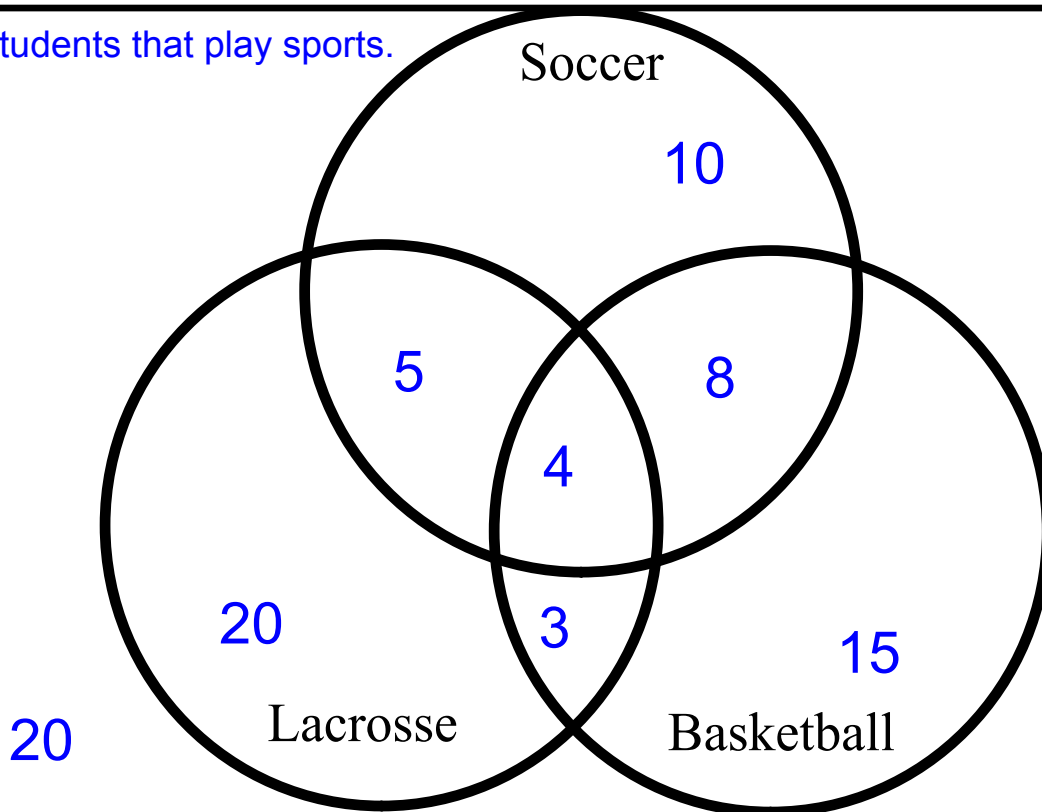
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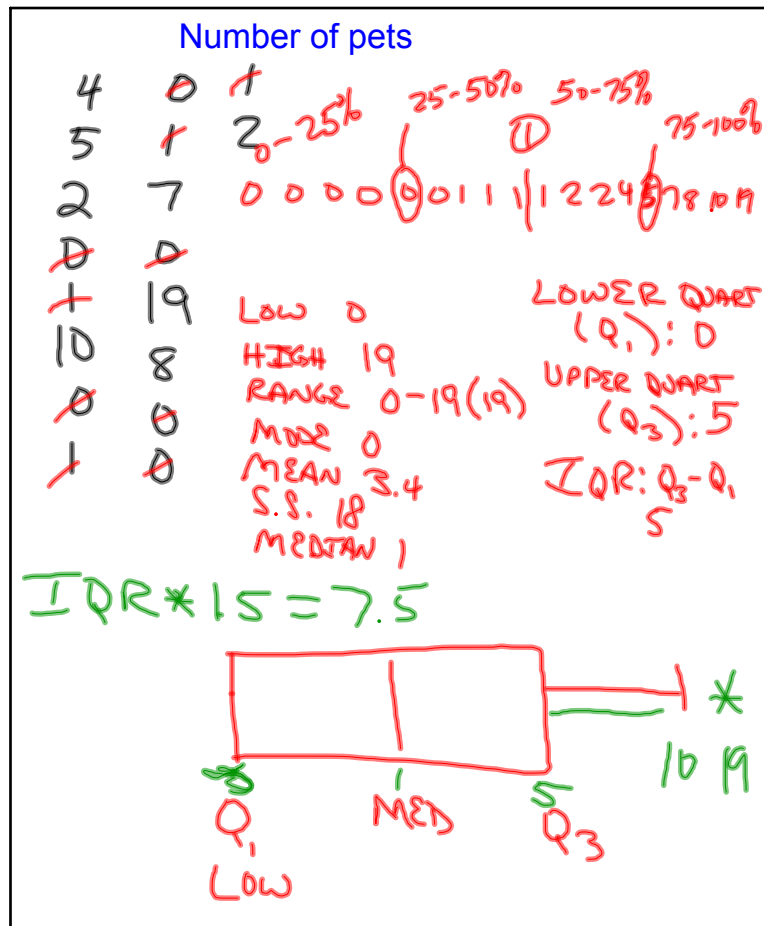
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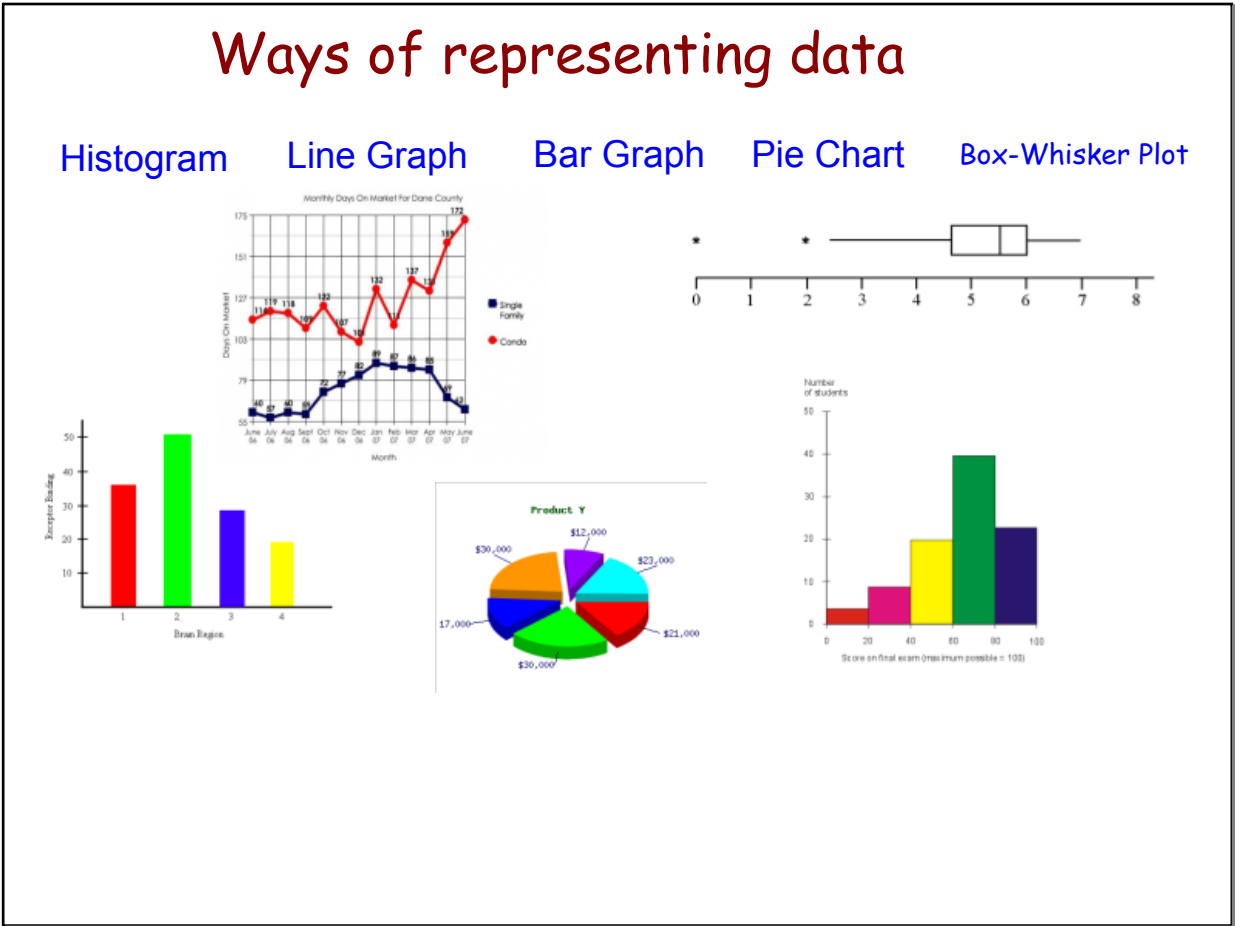
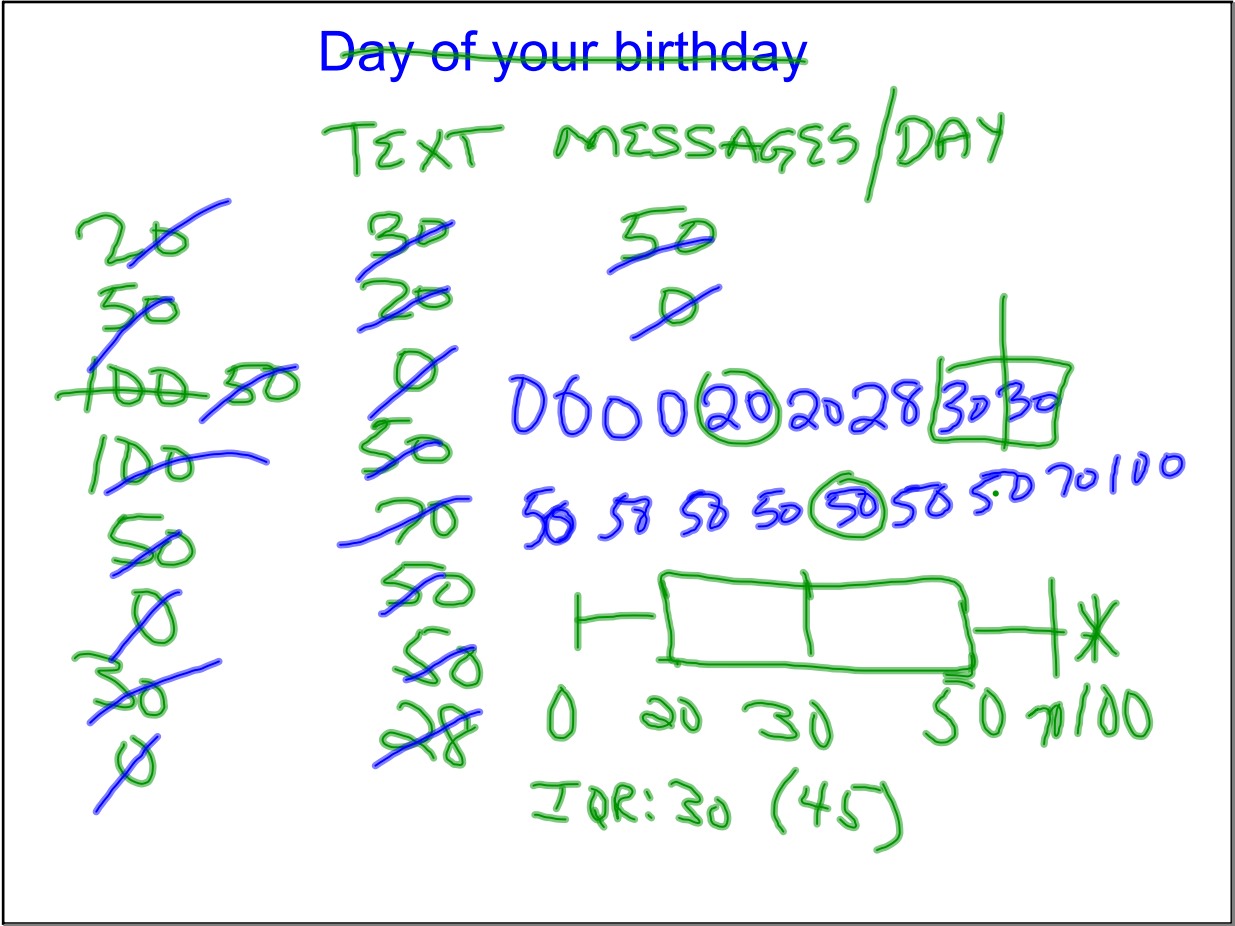
1 3 5 9

1, 3, 3, 5, 5, 9

Apr 27-7:22 PM



Apr 27-7:27 PM



Box-Whisker Plot

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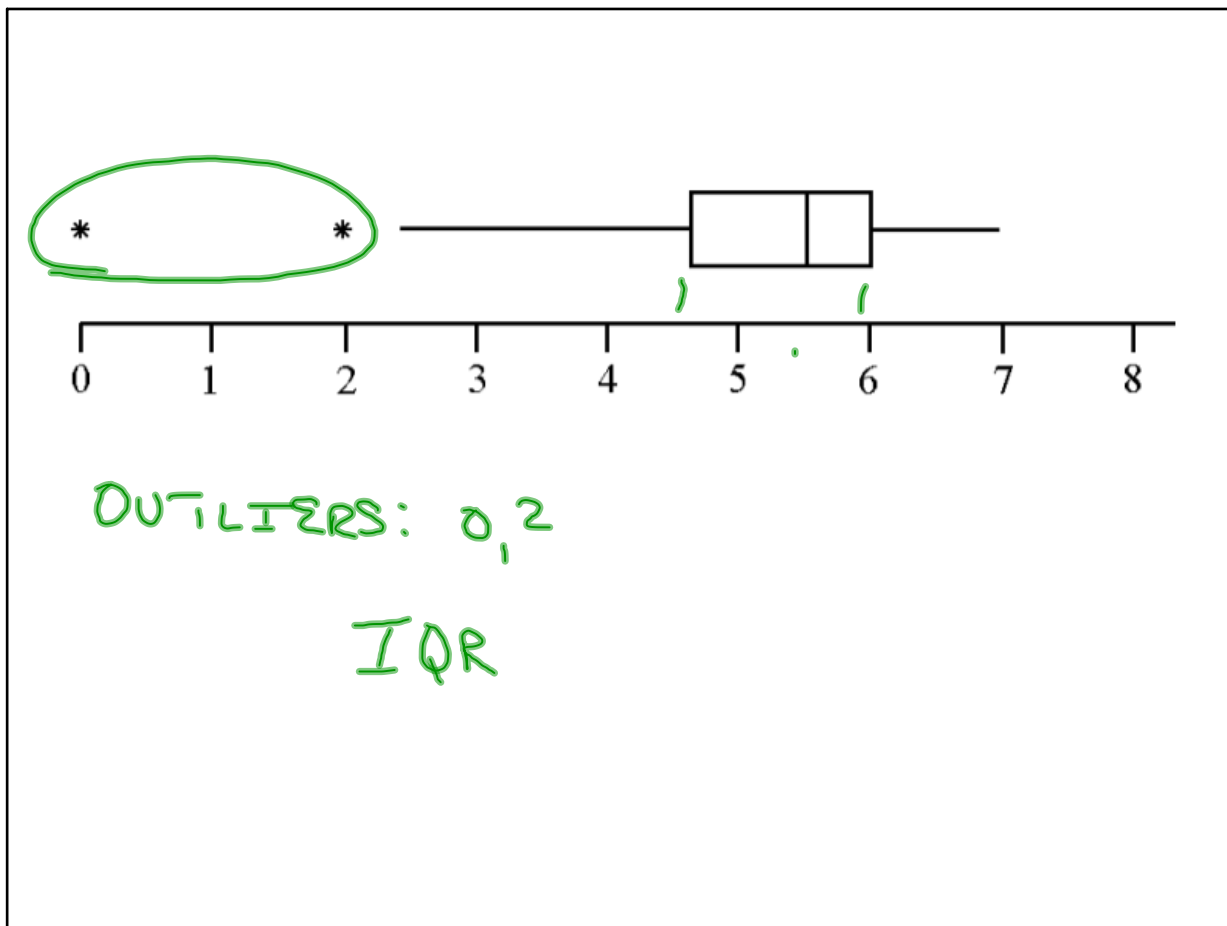
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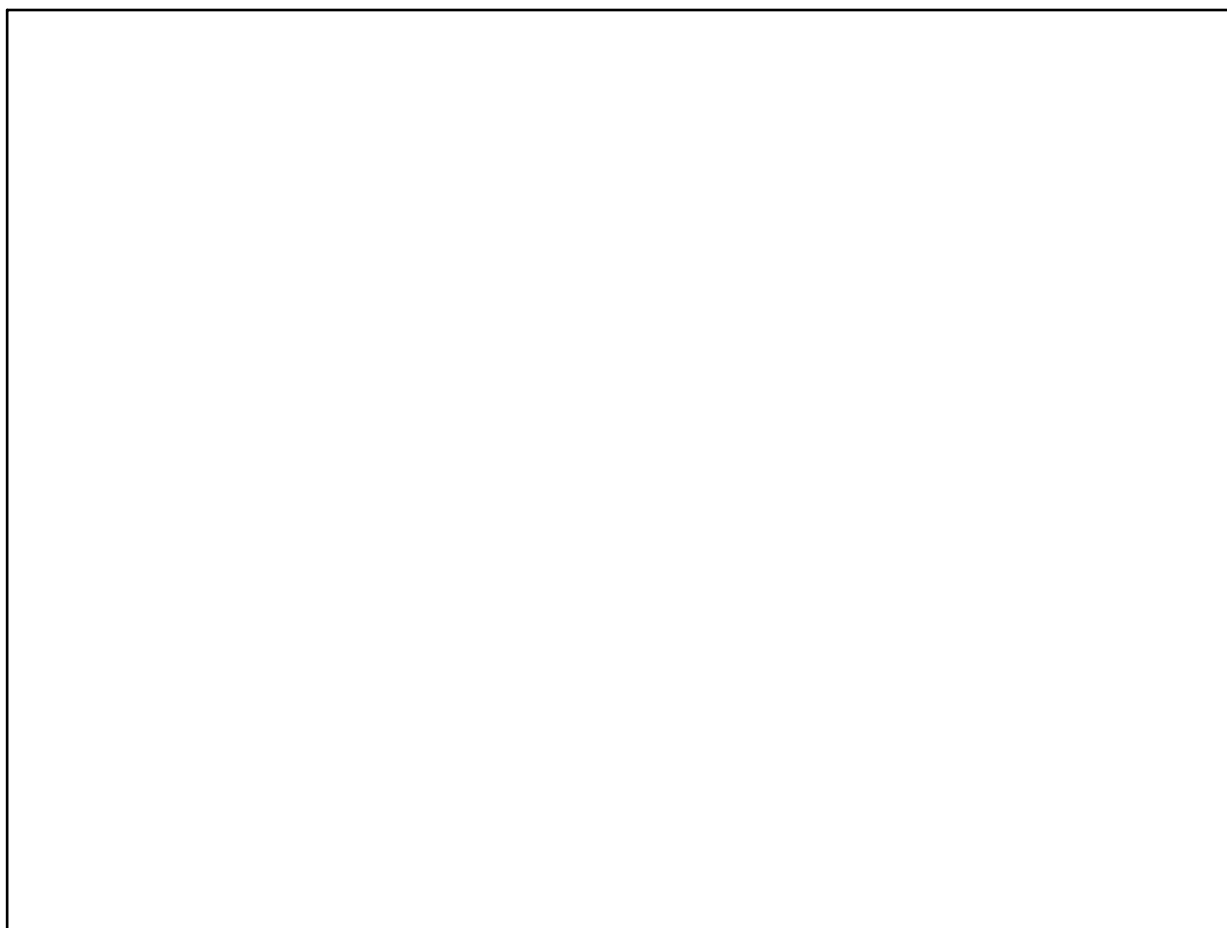
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Apr 30-6:24 AM



Apr 30-6:26 AM



May 3-12:50 PM