Note May 6 to 10 - ALG II

Standard for the week (bold → emphasized; ≡ → important on regents)

S.IC.A.2 Decide if a specified model is consistent with results from a given data-generating process, e.g., using simulation.
S.IC.B.3 Recognize the purposes of and differences among sample surveys, experiments, and observational studies; explain how randomization relates to each.
S.IC.B.4 Use data from a sample survey to estimate a population mean or proportion; develop a margin of error through the use of simulation models for random sampling
S.IC.B.5 Use data from a randomized experiment to compare two treatments; use simulations to decide if differences between parameters are significant.
S.IC.B.6 Evaluate reports based on data.
S.ID.B.6 Represent data on two quantitative variables on a scatter plot, and describe how the variables are related. a. Fit a function to the data; use functions fitted to data to solve problems in the context of the data. Use given functions or choose a function suggested by the context. Emphasize linear and exponential models. b. Informally assess the fit of a function by plotting and analyzing residuals. c. Fit a linear function for a scatter plot that suggests a linear association.
S.ID.A.4 Use the mean and standard deviation of a data set to fit it to a normal distribution and to estimate population percentages. Recognize that there are data sets for which such a procedure is not appropriate. Use calculators, spreadsheets, and tables to estimate areas under the normal curve.

Students are grouped by test scores Randomization used to increase equity

Monday:

log rules

Introduce Delta Math

Start Delta Math Regents Review.

25% (105 CORRECT problems) done by May 31st.

40% (168 CORRECT problems) done by June 5th.

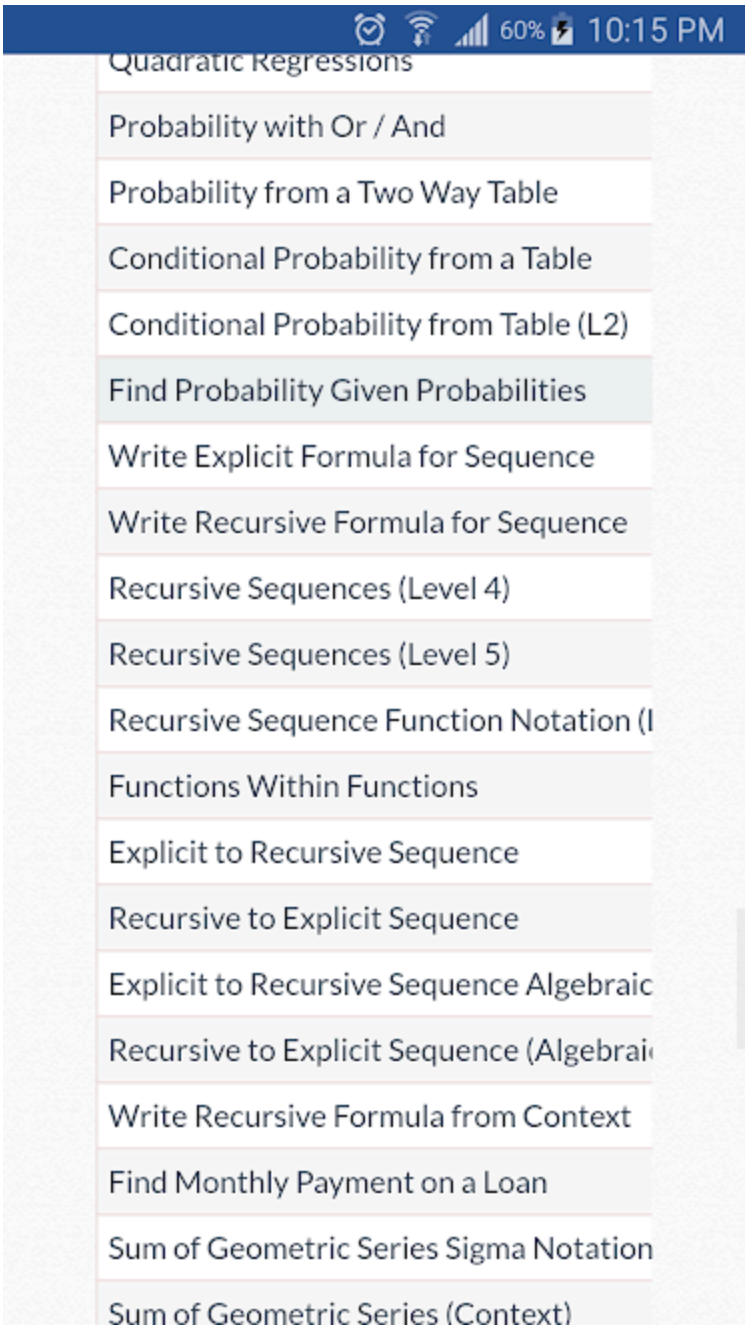
65% (273 CORRECT problems) done by June 17th.

(My teacher code is 974523):

FINAL JUNE 5

Delta Math to prep for final:

http://www.deltamath.com/index.html



Tuesday
practice word problems

Wednesday:
Test writing
Talk about hw
https://play.google.com/music/listen?u=0#/album/B73rqqulg2ejylga7hxchv5szpa/Kool+%26+The+Gang/Celebrate!
write your own test

Thursday:
Practice 10-12 minutes
5-8 minutes to finish sheet
10-12 minutes other side
practice quiz

Friday:QUIZ
Quiz
Sample: 18 out of 30 **Sample: 50 students: mean: 1.1 standard error: 0.5**
Do now: Mean:

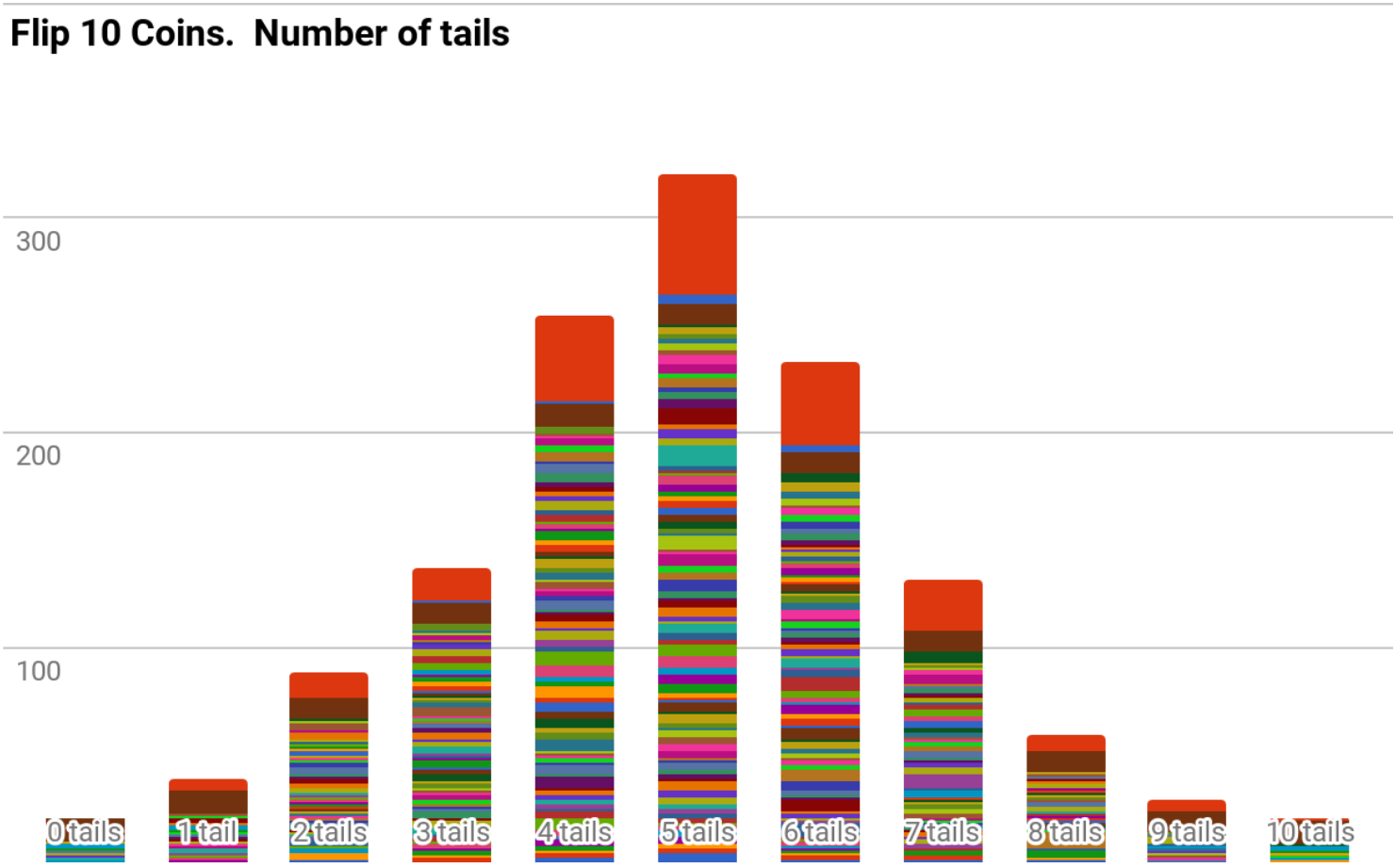
M of error:

Conf Int:

Spreadsheet

statkey

Next week:
Monday: TEst corrections
Tuesday review break assignment



Wed: Define hypothesis. Obs v exp sample bias
error 92
If time at end of period:
probability under the normal curve practice

experiment v observational study

sample bias

confidence intervals

practice word problems

https://is.gd/siyiye

Tuesday:
distributions

Look at graphs. Close your eyes. What do you notice?
Consider (don't talk or write, just ponder): What do you notice about the graphs we made Monday? What do some of them have in common? Which is not like the others? How do they differ? How would you describe them?

1) A 2) G 3) E 4) B 5) C 6) F 7) D

Consider the following bar graphs and match to the descriptions. Why are you matching these?
match histograms

Distributions

Wednesday:
Lesson 88 - ncdf and percentiles and z-scores

Thursday:
review area under normal curve

marching v sitting gather data

Lesson 90 - sample v parameter