



STUDENT \_\_\_\_\_ GROUP \_\_\_\_\_

INSTRUCTOR \_\_\_\_\_ DATE \_\_\_\_\_

## Math Lab Lesson #4 Classwork:

### Studying Strategies and Test-Taking

★ **ACTIVITY LAUNCH:** Circle the words that best describe how math tests make you feel.

Nervous	Excited	Ready
Frustrated	Confident	Bored
Uneasy	Scared	Smart
Confused	Dumb	Prepared
Happy	Sad	Tired
Shutting down	Overwhelmed	Proud

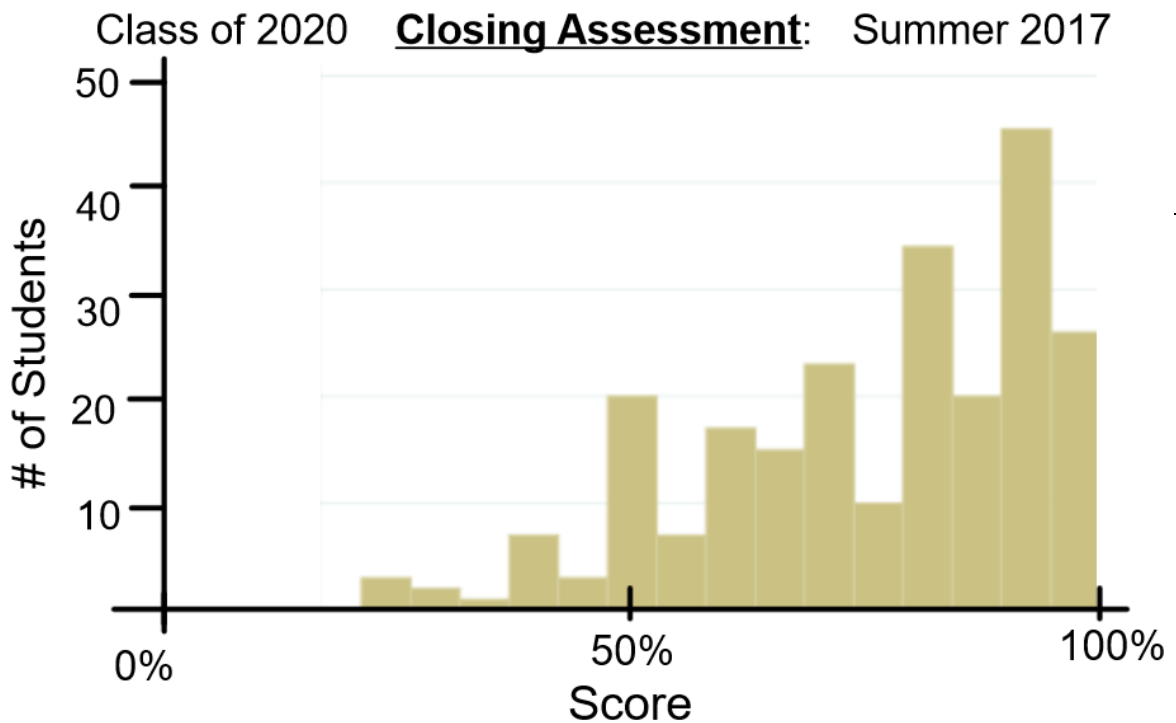
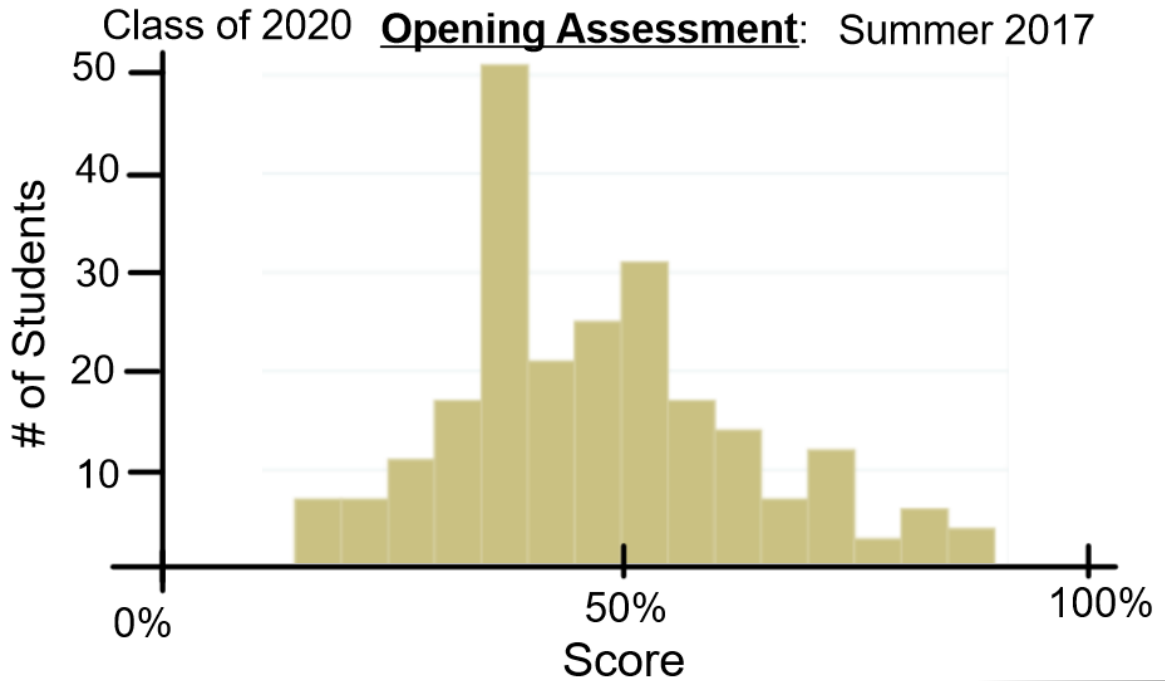
It is normal to have any of these feelings, and it's also possible to change how tests make you feel.

Below, write a few sentences describing **how you want to feel** when you take a math test.



Below are two frequency histogram charts. They show **Opening Assessment and Closing Assessment** scores for all SEO Class of 2020 Scholars this past summer (when you learned about Graphs and Relationships). This is **REAL DATA**.

★ What story do these charts tell?





★ Notes:

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### Grading an Exam

As you grade this exam, make sure to:

- Determine which of the answers are correct and incorrect
- For the ones that are incorrect, identify the mistakes that were made and correct them by actually giving written comments on the paper.
- **MAKE 1 – 2 FLASHCARDS THAT RELATE TO EACH PROBLEM.**



**IDEAS FOR FLASHCARDS:**

<b>FRONT SIDE</b>	<b>BACK SIDE</b>
Convert a percent to a decimal Ex: 7%	Move decimal point to the right two times $7\% = \frac{7}{100} = 0.07$
15% of a number is 36	Set up: $0.15x = 36$ Then solve for $x$ (divide by 0.15)
Percent Change Ex: 30 to 42	$\frac{\text{New} - \text{Initial}}{\text{Initial}}$ $\frac{42 - 30}{30} = \frac{12}{30} = 0.4 = 40\%$
Percent Increase Ex: increase $x$ by 24%	Multiply $x$ by 1.24  (because $24\% = 0.24$ , and <u>increase</u> means <u>add</u> : $1 + 0.24$ )
Percent Decrease Ex: decrease $x$ by 24%	Multiply $x$ by 0.76  (because $24\% = 0.24$ , and <u>decrease</u> means <u>subtract</u> : $1 - 0.24$ )



<u>FRONT SIDE</u>	<u>BACK SIDE</u>
Compound Interest formula (annual)	$A(1 + r)^t$ (what do $A, r, t$ stand for? Put it on the card if you don't know.)
Compound Interest formula (not annual)	$A\left(1 + \frac{r}{n}\right)^{nt}$ (what do $A, r, n, t$ stand for? Put it on the card if you don't know.)
Continuous interest formula	$Ae^{rt}$ (what do $A, e, r, t$ stand for? Put it on the card if you don't know.)
<b>CREATE EXAMPLES OF THE INTEREST FORMULAS IN ACTION!</b>	