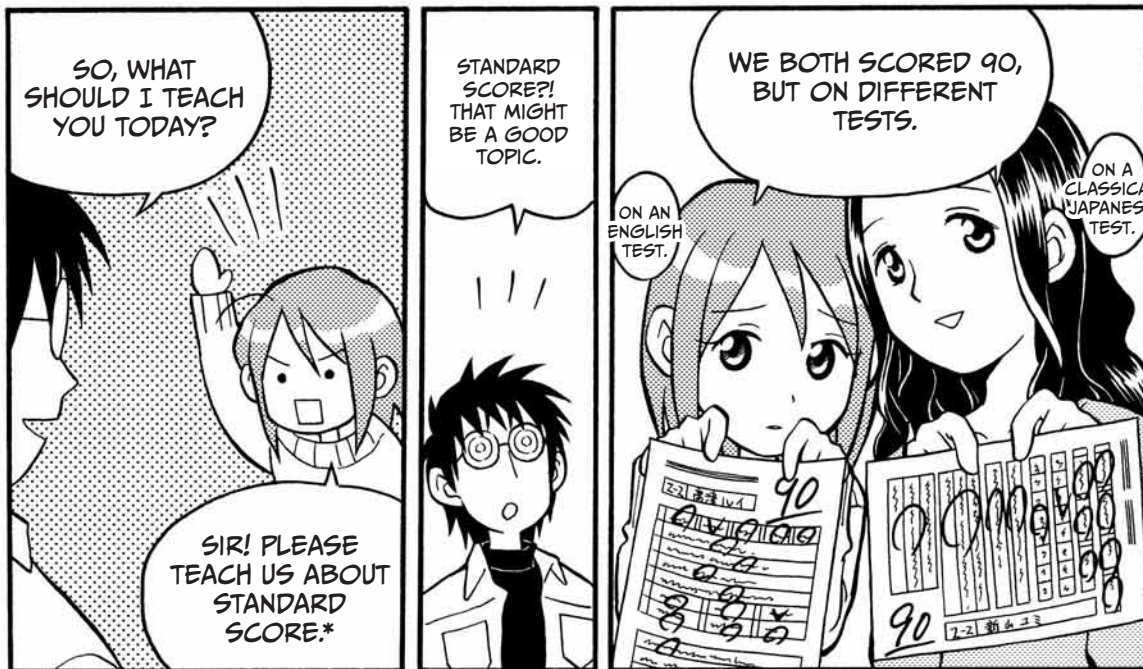
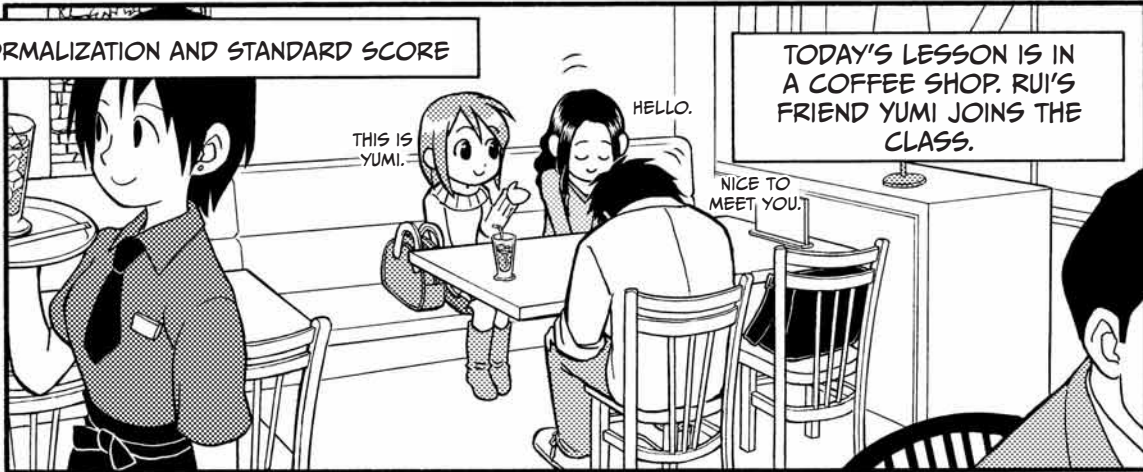
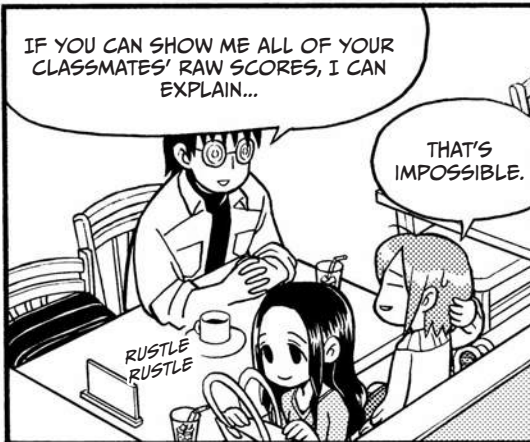
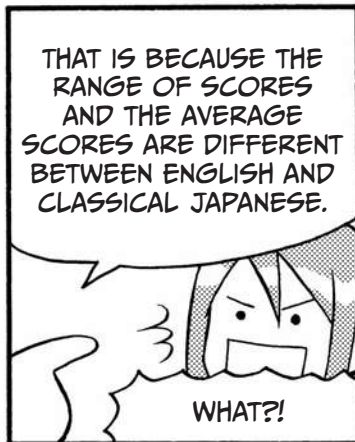
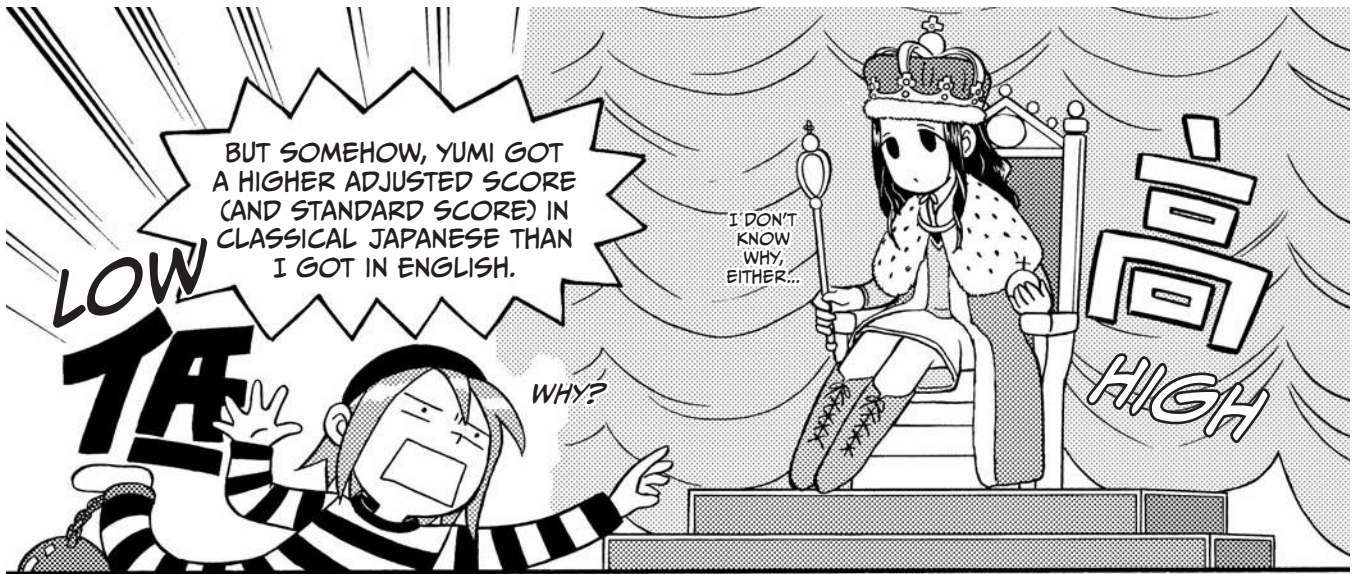


1. NORMALIZATION AND STANDARD SCORE



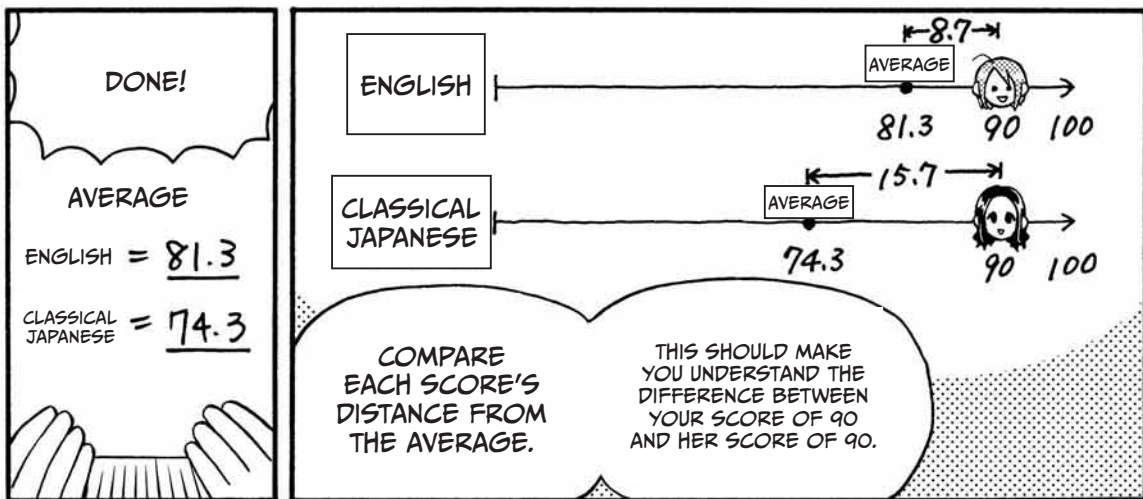
* ADJUSTING TEST RESULTS BASED ON STANDARD SCORE IS COMMONLY KNOWN AS GRADING ON A CURVE.

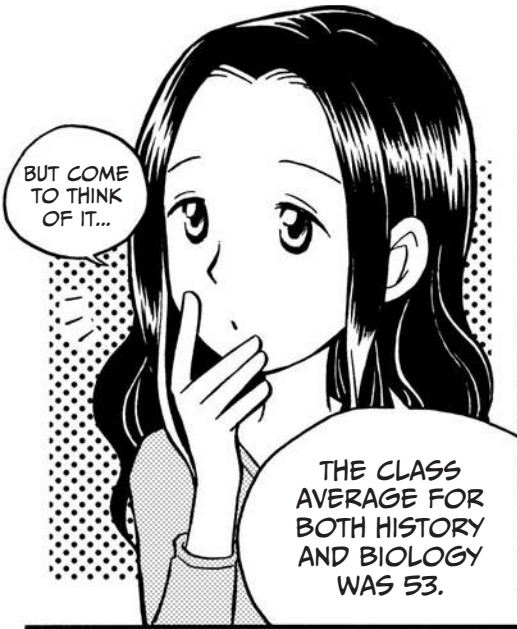


RAW TEST SCORES (OUT OF 100)

STUDENT	ENGLISH	CLASSICAL JAPANESE	STUDENT	ENGLISH	CLASSICAL JAPANESE
RUI	90	71	H	67	85
YUMI	81	90	I	87	93
A	73	79	J	78	89
B	97	70	K	85	78
C	85	67	L	96	74
D	60	66	M	77	65
E	74	60	N	100	78
F	64	83	O	92	53
G	72	57	P	86	80



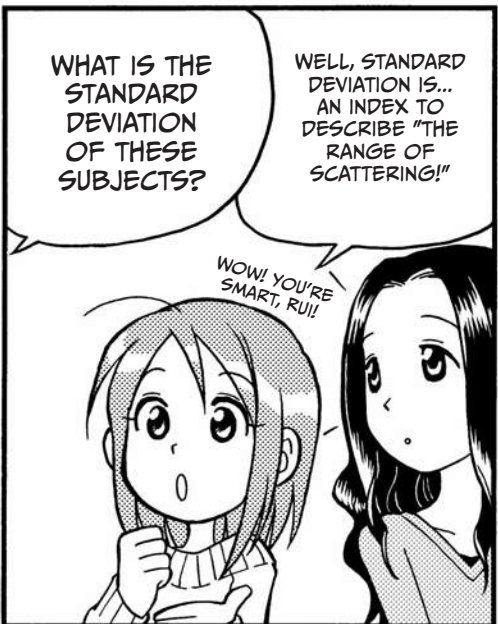




EVEN THOUGH THE DIFFERENCES BETWEEN OUR SCORES AND THE AVERAGES WERE THE SAME!

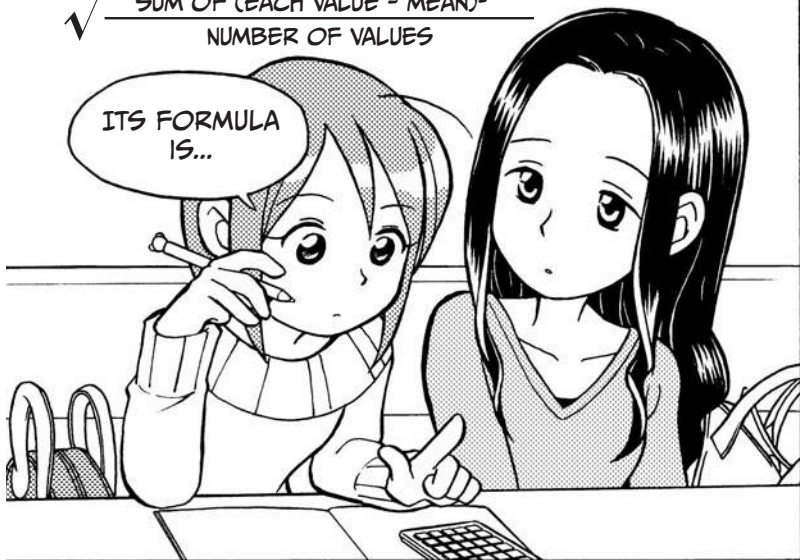
HMMM...

STUDENT	HISTORY	BIOLOGY	STUDENT	HISTORY	BIOLOGY
RUI	73	59	H	7	50
YUMI	61	73	I	53	41
A	14	47	J	100	62
B	41	38	K	57	44
C	49	63	L	45	26
D	87	56	M	56	91
E	69	15	N	34	35
F	65	53	O	37	53
G	36	80	P	70	68
AVERAGE				53	53



$$\sqrt{\frac{\text{SUM OF (EACH VALUE - MEAN)}^2}{\text{NUMBER OF VALUES}}}$$

ITS FORMULA IS...



STANDARD DEVIATION

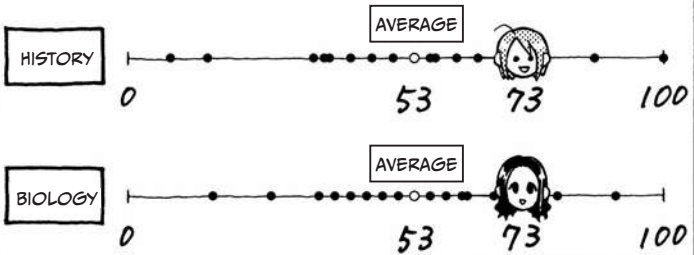
HISTORY = $\frac{22.7}{}$

BIOLOGY = $\frac{18.3}{}$

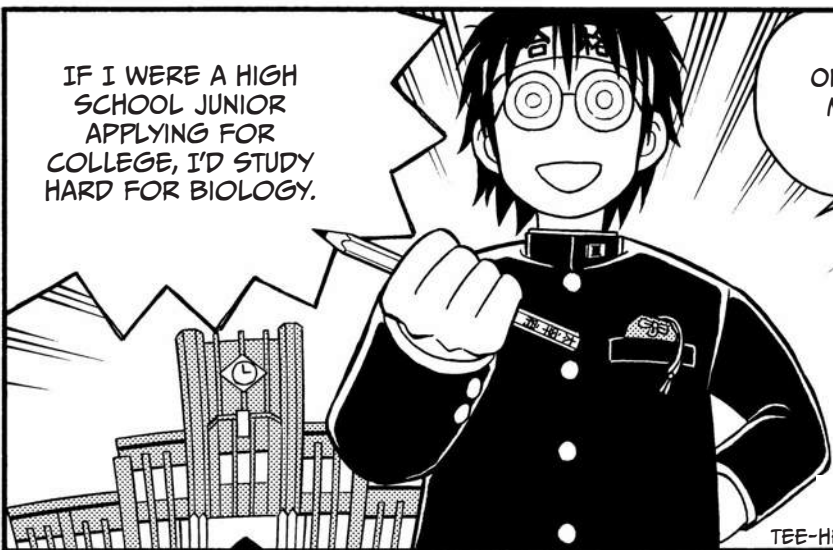
THERE!

THE SMALLER THE STANDARD DEVIATION IS, THE SMALLER THE "RANGE OF SCATTERING" OF THE DATA...

SO, YOUR CLASSMATES HAD MORE SIMILAR SCORES IN BIOLOGY THAN IN HISTORY.



WHAT DO YOU MEAN?



IF I WERE A HIGH SCHOOL JUNIOR APPLYING FOR COLLEGE, I'D STUDY HARD FOR BIOLOGY.

ONE OR TWO POINTS MAY AFFECT YOUR RANK GREATLY.

A HIGH SCHOOL UNIFORM SUITS HIM SO WELL!

TEE-HEE!

