JSAT Level 8 Student Scores - Explanation of Terms

Header

School Name – The name of the school which the student is attending is centered on the top row.

Number of Comparison Students – This is the number of students to which the individual student's score is being compared.

Note: If there is an "incident" (i.e. a note or an important piece of information for a reviewer to be aware of) there will a message on the left side of the top line which states: "Important: See incident report on the reverse side of this page." If there is no incident to report this area will remain blank.

Student Name – The name of the student who took the exam and whose scores are being reported.

Grade Level – The grade level of the student who took the exam.

Class name – The name of the class the students attended if applicable. (Note: The school name of the student is located on the top row of the header.)

Raw Score – This is the percentage of questions answered correctly on sections 1-9.

Letter Grade – This is a letter grade for sections 1-9. (See below for grading scale.)

Scaled Score – This is a grade for sections 1-9. The grade is on a scale where the maximum score is 600 and the lowest scores is ~100. Approximately every hundred points represents one unit of standard deviation. (See below for grading scale.)

Stanine – Scores are broken into nine groups based on their percentile ranking. A 9 is the highest ranking and a 1 is the lowest ranking. (See below for grading scale.)

Z Score – The z score is a measure of how many units of standard deviation a student scored above or below the mean. For example, a student with a Z score of 1 scored one unit of SD above the mean. A student with a Z score of -.5 will have scored one half of a unit of deviation below the mean. The closer the score is to zero, the closer the score is to the average with a positive Z score being above average and a negative Z score being below average. Considering that nearly all scores will fall within 3 units of SD from the mean the Z score will typically range from -3 to +3.

(Note: **Mean** = Average. **Standard Deviation** = In a normal distribution (also knowns as a bell curve) 68% of all students will score within one unit of SD from the mean. For example, if the mean is 65 and the SD is 15 this means 34% of students will have scored between 65 and 80 and another 34% will have scored between 50 and 65. Thus, 68% of students will have scored between 50-80. Typically, 95% of students will score within two units of SD from the mean and 99.7% of students are within three units of SD from the mean.)

Percentile Score – This number reflects the percentage of students who scored lower than the test taker. For example, a student with a percentile score of 75 scored better than 75% of all students in the comparison group.

With of all the reported scores, higher numbers are better than lower numbers.

Level – This is a descriptive ranking based on the stanine level. (See below for grading scale.)

Charts

Overall Scaled Score – An overall scaled score for sections 1-9. This is the same score as in the header.

Section Scaled Score – The is a scaled score for each section. The max is also 600. (Please note that the scaled score might not align with the table below at the section level.)

Overall Percentile Score – Same as above.

Section Percentile Score – The percentile ranking of the student for the specific section of the exam.

Note: The Gemara portion of the exam (Section 10) is optional and does not affect the main scaled score or percentile score. It is only marked on a section basis. If Gemarah portion was taken by the student, it will appear in the chart, otherwise there won't be a chart for Section 10.

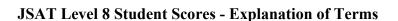See the grading scale below for an explanation of the color scheme.

Table:

Section – The name and number of the section of the exam. (Note: The order of the sections in this table are not necessarily in the same order they were presented in during the actual exam.)

SW = Section Weight, this is the weight of the section as it contributed to the scoring of the exam as a whole. All questions are evenly weighted. The SW is determined by dividing the number of questions in the section by the overall number of questions in sections 1-9. **NC** = Number Correct, **NP** = Number Possible, **IR** = Invalid Responses, i.e., questions that were either left blank or for which the students indicated more than one answer. **Raw %** = This is the raw percentage of questions answered correctly for the exam as a whole or each section. **Percentile** = the percentile score of the test taker for the exam as a whole or the individual section. **Stanine** = The stanine score for the exam as a whole and each section. **Grade** = A letter grade for the exam as a whole and for each section. **Achievement Level** = a descriptive ranking of the exam as whole and each section based on the stanine level. See below for grading scale.

Footer

On the bottom of the page, the name of the exam appears, the school year during which the exam was given as well as the name of the school of the student.

If there were any incidents during the exam or something else worth noting, they will appear on the back of the report.

2022-2023 Grading Scale (Overall Score Only)

Raw %	Scaled Score	Percentile Range	Stanine	Achievement Level	Letter Grade	% of Students	% of Students	Z Score Range
89.3-100	536-600	96-100%	9	Outstanding	A+	4%	11%	1.755370666
82.4-88.5	495-537	89-95%	8	Very High	A	7%		1.342493882
73.3-81.7	440-494	77-88%	7	High	B+	12%	29%	0.797975225
64.9-72.5	390-439	61-76%	6	Above Average	B	17%		0.295342618
55.7-64.1	335-389	41-60%	5	Average	C	20%	37%	-0.25515976
46.6-55	280-334	24-40%	4	Below Average	C-	17%		-0.799678418
38.9-45.8	234-279	12-23%	3	Low	D	12%	12%	-1.260424974
31.3-38.2	189-233	4-11%	2	Very Low	F	8%	11%	-1.715187808
0-30.5	0-188	0-3%	1	Very Low	F	4%		

All charts on the student report follow the color scheme above.

Letter grades and achievement level are based on the stanine level (which is based on the percentile level).

Note: In sections where no higher percentile was scored on the exam, (e.g. a short section where many students answered all the questions correctly so that the highest percentile possible was below 96%) then students with the highest actual score are credited with stanine level 9.

Raw score, Scaled Score and Z Score ranges are all based on a mean. Since the mean is different for the test as a whole and for each section, therefore these scores will not align exactly with the percentile and stanine levels on this table at the **section level**. Similarly, since the mean is likely to be different from year to year as the test changes, the raw scores, scaled scores, and z scores for the overall score might not align exactly with the table above year over year in terms of its comparison to stanine and percentile rankings.