



Remark Quick Stats[®]
For Remark Classic OMR
Version 6.0 for Windows[®]



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Remark Quick Stats Overview

Remark Quick Stats allows you to tabulate surveys or grade tests with the click of a button. For a survey, you can run reports such as an item analysis, item statistics or crosstabs to view your results. If you administer tests, the software can automatically grade them. For a test, you can specify an answer key, grade scale, learning objectives, benchmark scores and other options, and then the software can grade the test and produce statistics and graphs representing the item analysis, frequency distribution, student scores and several other test statistics. Remark Quick Stats also produces a grade report for each student which can be printed and handed back to the student.

Remark Quick Stats calculates the following Statistics:

Report Type	Available Items for Graphing
Item Analysis (survey)	Frequency, Percent, Cumulative Percent, Valid Percent, Cumulative Valid Percent
Item Analysis (grade)	Frequency, Percent, Point Biserial
Item Statistics	Sample Size, Number Missing, Mean, Variance, Standard Deviation, Standard Error, Minimum, Maximum, Median, Range, Sum, Sum Squared, Skewness, Kurtosis, T Value, Mean Absolute Deviation, Percentiles, Inter Quartile Range, Confidence Intervals, P Value (grade only), Point Biserial (grade only)
Respondent Statistics	Grade, Total Score, Percent Score, Objective Score, Subjective Score, Z Score, T Score, ETS Score, Deviation IQ, Number Correct, Number Incorrect, Number Missing
Crosstabs	Two or more variables can be selected for crosstabulation
Frequency Distribution	Frequency

System Requirements

The following are the minimum system requirements necessary to run Remark Quick Stats.

- Personal computer with a 400-MHz or faster processor
- Microsoft Windows 2000, XP or Server 2003
- 512 MB RAM
 - Important Note: Analysis reports require memory to run. Lengthy or graphic-intensive reports may take longer to run; you may need additional memory to run these reports.
- 250 MB free hard disk space to install software
- 1 GB free hard disk space recommended to use software
- Screen/monitor resolution of 1024x768 or higher and at least 16-bit color (32-bit color recommended)
- Mouse
- CD-ROM drive (for installation purposes)
- Windows-supported printer (optional)

Remark Quick Stats is automatically installed when you install the Remark Classic OMR software. You do not need to perform any additional installation steps.

Remark Quick Stats Reports

Condensed Item Analysis Report

Purpose

Label	Total	Percent	
Vacation	4	40.00	<div style="width: 40%; background-color: blue;"></div>
Business	4	40.00	<div style="width: 40%; background-color: blue;"></div>
Sporting Event	1	10.00	<div style="width: 10%; background-color: blue;"></div>
Other	1	10.00	<div style="width: 10%; background-color: blue;"></div>

Heard

Label	Total	Percent	
Travel Agent	0	0.00	
Television	5	50.00	<div style="width: 50%; background-color: blue;"></div>
Newspaper	1	10.00	<div style="width: 10%; background-color: blue;"></div>
Radio	1	10.00	<div style="width: 10%; background-color: blue;"></div>
Internet	2	20.00	<div style="width: 20%; background-color: blue;"></div>
Magazine	1	10.00	<div style="width: 10%; background-color: blue;"></div>
Recommendation	1	10.00	<div style="width: 10%; background-color: blue;"></div>
Other	0	0.00	

Nights

Label	Total	Percent	
1	1	10.00	<div style="width: 10%; background-color: blue;"></div>
2	3	30.00	<div style="width: 30%; background-color: blue;"></div>
3	0	0.00	
4	1	10.00	<div style="width: 10%; background-color: blue;"></div>
5	3	30.00	<div style="width: 30%; background-color: blue;"></div>
6	1	10.00	<div style="width: 10%; background-color: blue;"></div>
7	1	10.00	<div style="width: 10%; background-color: blue;"></div>
8	0	0.00	

Sources

Label	Total	Percent	
Advertised number/address	2	20.00	<div style="width: 20%; background-color: blue;"></div>
Travel Agent	4	40.00	<div style="width: 40%; background-color: blue;"></div>
Friend/Relative	1	10.00	<div style="width: 10%; background-color: blue;"></div>
Internet	2	20.00	<div style="width: 20%; background-color: blue;"></div>
Chamber of Commerce	0	0.00	
Other	1	10.00	<div style="width: 10%; background-color: blue;"></div>

The **Condensed Item Analysis Report** displays an in-depth look at individual question statistics. The question text (or question name if no question text was defined) is displayed at the top of each table. A bar chart is displayed to the right of the table containing the statistics.

Test Statistics Report

	Overall	Objective	Subjective	Spelling	Grammar	Verbs
Score Data						
Number of Graded Items	30	30	2	8	10	7
Total Points Possible	70	60	10	16	20	14
Maximum Score	66	58	10	16	20	14
Minimum Score	44	42	2	10	14	6
Statistics						
Mean Score	54.29	44.00	7.00	13.14	16.86	10.86
Mean Percent Score	77.55	73.33	70.00	82.14	84.29	77.55
Benchmark Score	75.00	75.00	75.00	77.00	70.00	80.00
Range of Scores	22.00	16.00	8.00	6.00	6.00	8.00
Standard Deviation	8.69	6.68	3.05	2.27	2.27	2.79
Variance	75.57	44.57	9.29	5.14	5.14	7.81
Percentile						
Percentile (25)	47.00	-	-	10.00	16.00	8.00
Median Score	54.00	-	-	14.00	16.00	12.00
Percentile (75)	65.00	-	-	14.00	20.00	12.00
Inter Quartile Range	18.00	-	-	4.00	4.00	4.00
Confidence Intervals						
1%	42.11	-	-	9.97	13.68	6.94
5%	46.25	-	-	11.05	14.76	8.27
95%	62.33	-	-	15.24	18.95	13.44
99%	66.47	-	-	16.32	20.03	14.77
Test Reliability						
Kuder-Richardson Formula 20	0.66	-	-	0.20	0.05	0.56

The **Test Statistics Report** displays descriptive statistics about the overall test as well as each learning objective, if applicable. If there are subjective questions on the test, a breakdown of statistics for the overall test, objective items and subjective items will be displayed. You may show or hide groups of statistics in the report properties.

Test Item Statistics Report

Question	Points	Summary Statistics				Reliability	
		Graded	Correct	Incorrect	No Response	Point Biserial	P-Value
Questions1	2.00	7	4	3	0	0.65	0.57
Questions2	2.00	7	6	1	0	0.23	0.86
Questions3	2.00	7	6	1	0	0.35	0.86
Questions4	2.00	7	5	2	0	0.16	0.71
Questions5	2.00	7	4	3	0	0.05	0.57
Questions6	2.00	7	6	1	0	-0.02	0.86
Questions7	2.00	7	6	1	0	0.23	0.86
Questions8	2.00	7	6	1	0	0.23	0.86
Questions9	2.00	7	5	2	0	0.54	0.71
Questions10	2.00	7	7	0	0	-	1.00
Questions11	2.00	7	6	1	0	0.23	0.86
Questions12	2.00	7	6	1	0	0.23	0.86
Questions13	2.00	7	4	3	0	-0.12	0.57
Questions14	2.00	7	6	1	0	0.35	0.86
Questions15	2.00	7	5	2	0	0.45	0.71
Questions16	2.00	7	3	4	0	0.64	0.43
Questions17	2.00	7	7	0	0	-	1.00
Questions18	2.00	7	6	1	0	0.35	0.86
Questions19	2.00	7	7	0	0	-	1.00
Questions20	2.00	7	6	1	0	0.35	0.86
Questions21	2.00	7	7	0	0	-	1.00
Questions22	2.00	7	3	4	0	0.56	0.43
Questions23	2.00	7	5	1	1	0.50	0.71
Questions24	2.00	7	6	1	0	0.35	0.86
Questions25	2.00	7	5	2	0	0.45	0.71
Questions26	2.00	7	4	3	0	0.05	0.57
Questions27	2.00	7	0	0	0	-	1.00
Questions28	2.00	7	1	0	0	0.23	0.86
Questions29	2.00	7	0	0	0	-	1.00
Questions30	2.00	7	1	0	0	-0.02	0.86

The **Test Item Statistics Report** displays descriptive statistics for each question on the test.

Student Statistics Report

Overall

Benchmark: 75.00%

Student	Grade	Overall			Objective Total	Subjective Total
		Total	Percent	Benchmark Difference		
Martin Redman	B	56.00 / 70.00	80.00	5.00	48.00 / 60.00	8.00 / 10.00
Susan Wallace	A	65.00 / 70.00	92.86	17.86	58.00 / 60.00	7.00 / 10.00
Elmer Hyde	C	54.00 / 70.00	77.14	2.14	44.00 / 60.00	10.00 / 10.00
Sally Calame	D	44.00 / 70.00	62.86	(-12.14)	42.00 / 60.00	2.00 / 10.00
Brenda Hamilton	D	48.00 / 70.00	68.57	(-6.43)	44.00 / 60.00	4.00 / 10.00
Willie Williams	D	47.00 / 70.00	67.14	(-7.86)	42.00 / 60.00	5.00 / 10.00
Warren Goodale	A	66.00 / 70.00	94.29	19.29	56.00 / 60.00	10.00 / 10.00
Mean		54.29	77.55	2.55	47.71	6.57

Spelling

Benchmark: 77.00%

Student	Grade	Overall			Objective Total	Subjective Total
		Total	Percent	Benchmark Difference		
Martin Redman	Pass	14.00 / 16.00	87.50	10.50	14.00 / 16.00	0.00 / 0.00
Susan Wallace	Pass	16.00 / 16.00	100.00	23.00	16.00 / 16.00	0.00 / 0.00
Elmer Hyde	Pass	14.00 / 16.00	87.50	10.50	14.00 / 16.00	0.00 / 0.00
Sally Calame	Pass	14.00 / 16.00	87.50	10.50	14.00 / 16.00	0.00 / 0.00
Brenda Hamilton	Fail	10.00 / 16.00	62.50	(-14.50)	10.00 / 16.00	0.00 / 0.00
Willie Williams	Fail	10.00 / 16.00	62.50	(-14.50)	10.00 / 16.00	0.00 / 0.00
Warren Goodale	Pass	14.00 / 16.00	87.50	10.50	14.00 / 16.00	0.00 / 0.00
Mean		13.14	82.14	5.14	13.14	0.00

Grammar

Benchmark: 70.00%

Student	Grade	Overall			Objective Total	Subjective Total
		Total	Percent	Benchmark Difference		
Martin Redman	Pass	16.00 / 20.00	80.00	10.00	16.00 / 20.00	0.00 / 0.00
Susan Wallace	Pass	20.00 / 20.00	100.00	30.00	20.00 / 20.00	0.00 / 0.00
Elmer Hyde	Pass	16.00 / 20.00	80.00	10.00	16.00 / 20.00	0.00 / 0.00
Sally Calame	Pass	16.00 / 20.00	80.00	10.00	16.00 / 20.00	0.00 / 0.00
Brenda Hamilton	Pass	14.00 / 20.00	70.00	0.00	14.00 / 20.00	0.00 / 0.00
Willie Williams	Pass	16.00 / 20.00	80.00	10.00	16.00 / 20.00	0.00 / 0.00
Warren Goodale	Pass	20.00 / 20.00	100.00	30.00	20.00 / 20.00	0.00 / 0.00
Mean		16.86	84.29	14.29	16.86	0.00

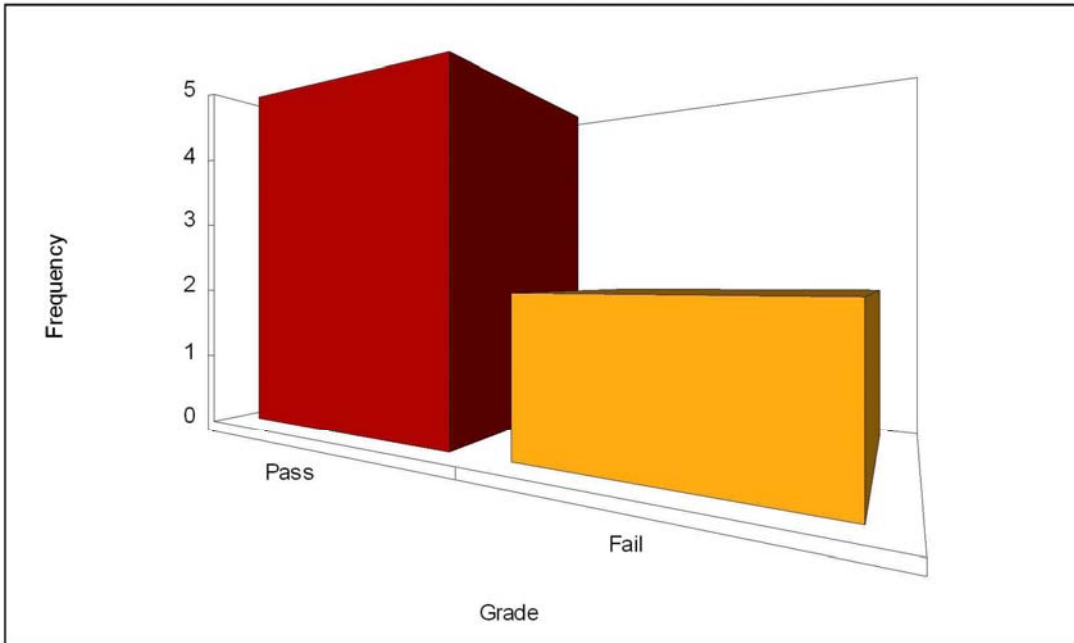
The **Student Statistics Report** provides the scores for all students in the class. Students are listed down the left side of the report, and then the grade, objective and subjective (if applicable) scores are listed for each student. If a benchmark score was defined, the benchmark difference graph is also displayed. If learning objectives are defined, separate tables will show the student information for the overall test and the learning objectives.

Class Frequency Distribution

Spelling

Mean Score: 82% Benchmark: 77%

Grade	Percent Score	Raw Score	Frequency
Pass	70 - 100	11 - 16	5
Fail	0 - 69	0 - 10	2



The **Class Frequency Distribution** report displays the breakdown of scores for an entire class. It also shows the mean score and the benchmark difference, if applicable. If you have defined learning objectives in the Grade Wizard, a breakdown of scores on each learning objective will also be displayed.

The table across the top of the report shows the grades, scores and frequency of each grade. The chart shows the score across the X axis (bottom) and the frequency of that score along the Y axis (left side).









Grade Report by Group

Objective








Gender
Gifted

Grade Percent Benchmark Difference








Benchmark: 75

Overall	Grade	Percent		Benchmark Difference
Overall	C	77.55		2.55
Female	D	74.76		(-0.24)
Gifted	D	65.71		(-9.29)
Not Gifted	A	92.86		17.86
Male	A	79.64		4.64
Gifted	A	87.14		12.14
Not Gifted	C	72.14		(-2.86)

Benchmark: 77

Spelling	Pass	82.14		5.14
Female	Pass	83.33		6.33
Gifted	Pass	75.00		(-2.00)
Not Gifted	Pass	100.00		23.00
Male	Pass	81.25		4.25
Gifted	Pass	87.50		10.50
Not Gifted	Pass	75.00		(-2.00)

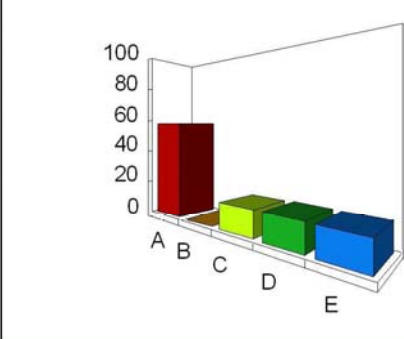
Benchmark: 70

Grammar	Pass	84.29		14.29
Female	Pass	83.33		13.33
Gifted	Pass	75.00		5.00
Not Gifted	Pass	100.00		30.00
Male	Pass	85.00		15.00
Gifted	Pass	90.00		20.00
Not Gifted	Pass	80.00		10.00

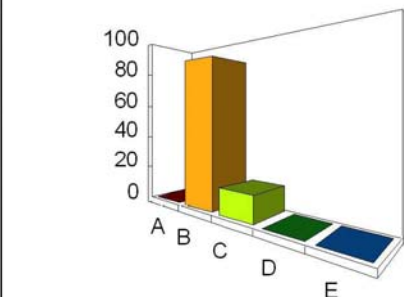
The **Comparative Grade Report** allows you to see test statistics broken down by specific criteria. You can select regions from the data on which to base the report. For example, this report is especially useful for comparing demographic groups. If your students mark a category such as ethnicity on their test answer sheet, you can view the data by ethnic group.

Detailed Item Analysis Report

Questions1

Answer Choice	Frequency	Percent Point	Biserial	Graph
A*	4	57.14	0.65	
B	0	0.00	-	
C	1	14.29	-0.35	
D	1	14.29	-0.23	
E	1	14.29	-0.35	

Questions2

Answer Choice	Frequency	Percent Point	Biserial	Graph
A	0	0.00	-	
B*	6	85.71	0.23	
C	1	14.29	-0.23	
D	0	0.00	-	
E	0	0.00	-	

The **Detailed Item Analysis Report** provides an in-depth look at individual question statistics. Each question displays in a separate table. The question text (or question name if no question text was defined) is displayed at the top of each table. A graph of the frequency appears to the right of the table. You may customize the graph by modifying the report properties.

Crosstabulation Report

Crosstabulation: Academic Level * Major

	Liberal Arts	English	Mathematics	Biology	History	Total
Freshman	3	3	2	3	1	12
Sophomore	5	2	7	3	2	19
Junior	1	5	2	5	1	14
Senior	3	1	2	3	1	10
Total	12	11	13	14	5	55

The **Crosstabulation Report** generates a table displaying the number of cases falling into each combination of the categories of two or more categorical variables. Crosstabulation is a method of examining the relationships among variables that are at the nominal or ordinal level. The categories of one variable are listed in the rows and of a second variable in the columns. You choose specific questions from your data to use in the crosstabulation. The frequencies displayed in the Crosstabulation report can be totals or percents.

Response Report by Respondent

Respondent: Shilpa Pai

Question	Response
First Name	Shilpa
Student Last Name	Pai
First reason why you deserve an A	1) <i>Always participates in class discussion</i>
Second reason why you deserve an A	2) <i>Always on time</i>
Third reason why you deserve an A	3) <i>Strength of arguments in class</i>

Respondent: Jamie Allen

Question	Response
First Name	Jamie
Student Last Name	Allen
First reason why you deserve an A	1) HIGH QUALITY OF WORK
Second reason why you deserve an A	2) VALUE TO THE CLASS
Third reason why you deserve an A	3) NEVER MISSED A CLASS

The **Response Report by Respondent** displays respondents' answers to the questions on the form. By default, any questions that are not graded or tabulated in the form template can be included on the Response Report by Respondent. You can choose from all questions, regardless of whether they are graded or tabulated, by adjusting the report properties. This report is useful for displaying data entry or image clip Image regions so that you can see how your respondents responded to write-in questions. The Response Report by Respondent will be grouped by respondent (e.g., you will see the respondent listed first and then that respondent's responses for all selected questions). You may choose whether to include an Analysis Respondent ID with the responses in the report properties. If there are no Analysis Respondent ID regions in the form template, the responses will be sequentially numbered.

Student Grade Report

Student: Ben Nobel

	Benchmark (%)	Grade	Total Score	Score (%)	
Overall	75.00	B	42.00	84.00	<div style="width: 84%; height: 10px; background-color: green; border: 1px solid black;"></div>
Reading	75.00	A	9.00	90.00	<div style="width: 90%; height: 10px; background-color: green; border: 1px solid black;"></div>
Grammar	60.00	A	10.00	100.00	<div style="width: 100%; height: 10px; background-color: green; border: 1px solid black;"></div>
Vocabulary	70.00	C	23.00	76.67	<div style="width: 76.67%; height: 10px; background-color: green; border: 1px solid black;"></div>

Responses

Question	Response	Correct Answer	Question	Response	Correct Answer	Question	Response	Correct Answer
Question1	A		Question12	B		Question23	C	
Question2	B		Question13	C		Question24	D	
Question3	C		Question14	D		Question25	E	
Question4	D		Question15	E		Question26	B	A
Question5	D	E	Question16	A		Question27	B	
Question6	A		Question17	B		Question28	C	
Question7	B		Question18	C		Question29	D	
Question8	C		Question19	D		Question30	E	
Question9	D		Question20	E		Subjective	14	20
Question10	E		Question21	A				
Question11	A		Question22	B				

The **Student Grade Report** provides a detailed grade report for each student included in the grade operation. You may print these reports and give them to your students. The report provides a table of the basic statistics and can provide images of the students' tests. Incorrect responses are highlighted in yellow. If a benchmark score was defined using the Grade Wizard, you will see a chart depicting the student's score along with the benchmark. If learning objectives were defined using the Grade Wizard, you will see scores for each learning objective in addition to the overall test.

You can customize the report header to include the following class information on each student report: highest score, lowest score, median score, mean score, number of tests graded.