












Arizona State University Testing and Scanning Services

Alphabetical Listing

Report # 101

ANDERSON 12345 MAT 101 X1A

Overall

Student		Total	Percent	Z Score	T Score	Percentile
B00P 7678765432	BETTY	12 / 25	48.00 	-0.27	47.32	33
CLEAN 1234443434	MISTER	8 / 25	32.00 	-0.94	40.62	22
GROCKER 7654323456	BETTY	15 / 25	60.00 	0.23	52.35	55
DOE 0121012101	JANE	19 / 25	76.00 	0.90	59.05	77
DUCK 7778889999	DONNY	17 / 25	68.00 	0.57	55.70	66
FUDD 3443443443	ELMER	20 / 25	80.00 	1.07	60.72	88
MARX 9878987898	HARPO	5 / 25	20.00 	-1.44	35.59	0
MOUSE 5435435435	MIGHTY	5 / 25	20.00 	-1.44	35.59	0
PUREBRED 9876789876	PENNY	23 / 25	92.00 	1.57	65.75	100
SMITH 2233221122	FRED	12 / 25	48.00 	-0.27	47.32	33
Mean		13.60	54.40 	0.00	50.00	47.40

Provides the scores for all students who took the exam. Students are listed in alphabetical order by last name.

[Tip]: Students who failed to bubble in a name will appear as blank lines at the top of the page.

Total Score: Shows the student's total score (on the left) out of the total possible points for the exam (on the right).

[Tip]: The total possible score will be larger than the number of graded questions if you have requested some questions be weighted.

Mean: The average of result of the students who took the test.

Percent: The value of the students' scores out of one hundred (or perfect score).

Z Score and T Score: Tell how far a student's score lies above or below the average score for the class, in standard deviation units.

* Z Score of "0" represents the mean. It can be positive or negative, indicating whether it is above or below the average.

* T Score of "50" represents the mean. A difference of "10" from the mean indicates a difference of *one* standard deviation.

[Tip]: Use the Z score when the class is larger than 30 students. Use the T score when the class is smaller than 30 students.

Percentile: Shows how much better the student scored compared to other students.

[Tip]: Percentile of "33" means the student scored as well as or better than 33 percent of students who took the exam.

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Legend: Correct: ■ Incorrect: ■ Unanswered or Other Incorrect Response:

Students:	Question #1	Question #2	Question #3	Question #4	Question #5	Question #6	Question #7	Question #8	Question #9	Question #10	Question #11	Question #12	Question #13	Question #14	Question #15	Question #16	Question #17	Question #18	Question #19	Question #20	Question #21	Question #22	Question #23	Question #24	Question #25	Total Score	Percent Score	
Answer Key:	B	B	A	E	D	B	B	A	D	E	E	D	C	D	A	A	B	D	B	E	D	A	B	C	E	25	100	
BOOP BETTY 7678765432	B	A	A	E	D	E	B	A	C	D	E	C	B	B	D	A	B	D	C	E	D	D	D	D	C	12	48	
CLEAN MISTER 1234443434	B	B	B	B	C	C	C	C	D	D	D	E	E	A	A	A	B	C	D	E	A	B	C	D	E	8	32	
CROCKER BETTY 7654323456	A	B	A	E	D	B	B	B	B	B	B	C	C	A	A	A	B	D	B	E	D	C	B	B	A	15	60	
DOE JANE 0121012101	C	C	B	E	D	B	B	A	D	E	E	D	B	D	A	A	B	D	B	E	C	A	B	C	C	19	76	
DUCK DONNY 7778889999	B	B	A	E	D		B	B	A	D	E	D	C	D	A	A	A	D	B	E	C	A	A	C	A	17	68	
FUDD ELMER 3443443443	B	B	A	C	B	B	B	A	D	E	E	D	D	A	A	B	D	B	E	C	A	B	C	C	20	80		
MARX HARPO 9878987898	A	A	B	B	C	D	B	E	D	E	C	C	C	B	D	D	B	C	C	A	C	D	E	B	A	5	20	
MOUSE MIGHTY 5435435435	D	D	E	D	D	C	B	A	B	C	D	C	B	C	D	C	B	C	D	C	C	B	E	C	D	5	20	
PUREBRED PENNY 9876789876	B	B	A	E	D	B	B	A	D	D	E	D	C	D	A	A	B	D	B	E	D	A	B	C	C	23	92	
SMITH FRED 2233221122	B	B	C	D	B	B	B	B	B	E	E	D	A	A	A	A	A	A	A	E	D	C	C	C	C	12	48	
Percent Correct:	60	60	50	50	60	50	90	50	50	40	60	50	40	40	70	80	80	80	60	50	80	40	40	40	60	10	14	54

Provides visual insight into both student and question performance by displaying all test responses by student and by question in a matrix format.

[Tip]: Each student's answers are shown with green boxes indicating the student received credit for the question, red boxes indicating an incorrect answer of the student and white boxes indicating that the scanner did not detect a response to that question.

Total Score: Displays the total raw score for each individual student. The total at the bottom of the report is the average total score.

Percent Score: Displays the percent of the total score for each individual student. The total at the bottom of the report is the average percent for the class.

Percent Correct: Displays at the bottom of the report, the percentage of students who answered each question correctly.

[Tip]: An asterisk * is used by the software in the case of multiple responses (due to space constraints). Usually two answers can show but more than two answers will be given an asterisk. You can refer to the Individual Student Feedback Report #301 or the Raw Data Excel file (Advanced Options request) if you require further detail.

[Note]: At this time the software only shows the question numbers along the top one time. There is no way for us to add that information to subsequent pages or to modify this report to improve this limitation.

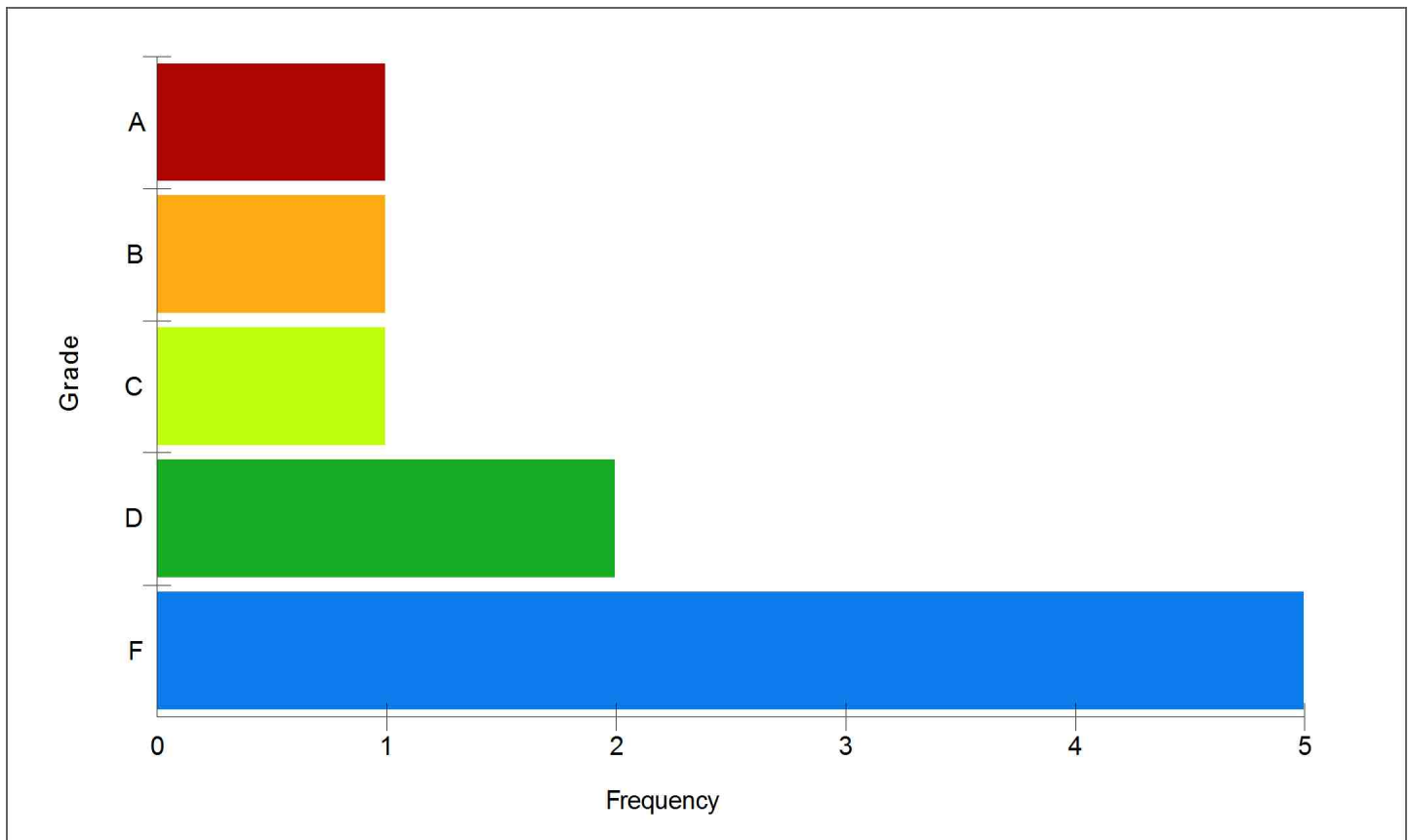
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Overall

Mean Score: 54.40%



Grade	Percent Score	Raw Score	Frequency	Percent
A	90.00 - 100.00	22.50 - 25.00	1	10.00
B	80.00 - 89.99	20.00 - 22.49	1	10.00
C	70.00 - 79.99	17.50 - 19.99	1	10.00
D	60.00 - 69.99	15.00 - 17.49	2	20.00
F	0.00 - 59.99	0.00 - 14.99	5	50.00



Displays the frequency of scores for the entire class. The chart shows the frequency (X axis) of students who scored within the five ranges of scores corresponding to general grade values (Y axis) at the top of the report.

[Note]: This report graphs groups of student scores based off of a grade scale rather than graphing a student's score separately. At this time the grade scale can not be modified. Use this report to gain perspective on the performance of the class as a whole.

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Legend: Distractors Chosen More than Correct Answer: ■

Total Possible Points:	25	Median Score:	13.50	Maximum Score:	23
Total Students:	10	Mean Score:	13.60	Minimum Score:	5
Standard Deviation:	5.97	Reliability Coefficient (KR20):	0.88	Range of Scores:	18

No.	Question	Correct Answer	Response Frequencies					Non Distractor	Correct Group Responses			Point Biserial
			A	B	C	D	E		Total %	Upper 27%	Lower 27%	
1	Question #1	B	2	6	1	1	0	E	60.00	66.67	33.33	0.36
2	Question #2	B	2	6	1	1	0	E	60.00	66.67	33.33	0.46
3	Question #3	A	5	3	1	0	1	D	50.00	66.67	0.00	0.64
4	Question #4	E	0	2	1	2	5	A	50.00	66.67	0.00	0.60
5	Question #5	D	0	2	2	6	0	AE	60.00	66.67	33.33	0.32
6	Question #6	B	0	5	2	1	1	A	50.00	100.00	0.00	0.70
7	Question #7	B	0	9	1	0	0	ADE	90.00	100.00	66.67	0.31
8	Question #8	A	5	3	1	0	1	D	50.00	100.00	33.33	0.37
9	Question #9	D	1	3	1	5	0	E	50.00	100.00	66.67	0.23
10	Question #10	E	0	1	1	4	4	A	40.00	66.67	33.33	0.05
11	Question #11	E	0	1	1	2	6	A	60.00	100.00	0.00	0.73
12	Question #12	D	0	0	4	5	1	AB	50.00	100.00	0.00	0.77
13	Question #13	C	1	3	4	1	1		40.00	33.33	33.33	0.19
14	Question #14	D	3	2	1	4	0	E	40.00	100.00	0.00	0.84
15	Question #15	A	7	0	0	3	0	BCE	70.00	100.00	33.33	0.69
16	Question #16	A	8	0	1	1	0	BE	80.00	100.00	33.33	0.72
17	Question #17	B	2	8	0	0	0	CDE	80.00	100.00	100.00	-0.08
18	Question #18	D	1	0	3	6	0	BE	60.00	100.00	0.00	0.83
19	Question #19	B	1	5	2	2	0	E	50.00	100.00	0.00	0.87
20	Question #20	E	1	0	1	0	8	BD	80.00	100.00	33.33	0.72
21	Question #21	D	1	0	5	4	0	BE	40.00	33.33	0.00	0.26
22	Question #22	A	4	2	2	2	0	E	40.00	100.00	0.00	0.84
23	Question #23	B	1	4	2	1	2		40.00	100.00	0.00	0.77
24	Question #24	C	0	2	6	2	0	AE	60.00	100.00	33.33	0.49
25	Question #25	E	3	0	5	1	1	B	10.00	0.00	33.33	-0.31

Displays a summary of basic exam statistics. For each question (row), the correct answer is shown, followed by the number of students who selected each response. Bold numbers in the Response Frequencies indicate correct responses. [Tip]: The row number will vary from the question number when an item has been omitted from the exam.

Standard Deviation: Measures how much, on average, that individual scores deviate (or vary) from the mean (average) score on the exam. In other words, it measures the spread of individual results around a mean of all the results.

KR20: An indication of how reliable the exam is at measuring the students' knowledge of the subject tested. Low values ("0.00"- "0.69") mean some exam questions should be revised or that the exam should not contribute heavily towards the course grade. "0.70" is acceptable ("0.8" for exams with more than 50 questions) with larger values indicating a very good classroom exam.

Range of Scores: The distance between the highest and lowest score.




Non Distractor: Choices that were not selected by any students.

Point Biserial: A high value indicates students who scored higher overall on the exam were likely to choose the correct response for this question.





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Legend: Correct:  Incorrect:  Distractors Chosen More than Correct Answer: 






Question #21

Response	Frequency	Percent	
A	1	10.00	
B	0	0.00	
C	5	50.00	
* D	4	40.00	
E	0	0.00	
Missing	0	0.00	




Question #22

Response	Frequency	Percent	
* A	4	40.00	
B	2	20.00	
C	2	20.00	
D	2	20.00	
E	0	0.00	
Missing	0	0.00	





Question #23

Response	Frequency	Percent	
A	1	10.00	
* B	4	40.00	
C	2	20.00	
D	1	10.00	
E	2	20.00	
Missing	0	0.00	

Question #24

Response	Frequency	Percent	
A	0	0.00	
B	2	20.00	
* C	6	60.00	
D	2	20.00	
E	0	0.00	
Missing	0	0.00	

Question #25

Response	Frequency	Percent	
A	3	30.00	
B	0	0.00	
C	5	50.00	
D	1	10.00	
* E	1	10.00	
Missing	0	0.00	

Graphical representation of each question on the exam, including the frequency of responses provided by students for each question. Correct responses are graphed in green, incorrect in red and a distracting response that is chosen more often than the correct answer is graphed in yellow.

[Tip]: The correct response for each question will be bolded, italicized and preceded by an asterisk.

[Tip]: "Missing" indicates that students either did not answer the question or their bubbles were not completed in a way that the scanner could recognize the response.

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Question		Summary Statistics				Reliability	
Question	Points	Graded	Correct	Incorrect	No Response	Point Biserial	Percent Correct
Question #1	1	10	6	4	0	0.36	60.00
Question #2	1	10	6	4	0	0.46	60.00
Question #3	1	10	5	5	0	0.64	50.00
Question #4	1	10	5	5	0	0.60	50.00
Question #5	1	10	6	4	0	0.32	60.00
Question #6	1	10	5	4	1	0.70	50.00
Question #7	1	10	9	1	0	0.31	90.00
Question #8	1	10	5	5	0	0.37	50.00
Question #9	1	10	5	5	0	0.23	50.00
Question #10	1	10	4	6	0	0.05	40.00
Question #11	1	10	6	4	0	0.73	60.00
Question #12	1	10	5	5	0	0.77	50.00
Question #13	1	10	4	6	0	0.19	40.00
Question #14	1	10	4	6	0	0.84	40.00
Question #15	1	10	7	3	0	0.69	70.00
Question #16	1	10	8	2	0	0.72	80.00
Question #17	1	10	8	2	0	-0.08	80.00
Question #18	1	10	6	4	0	0.83	60.00
Question #19	1	10	5	5	0	0.87	50.00
Question #20	1	10	8	2	0	0.72	80.00
Question #21	1	10	4	6	0	0.26	40.00
Question #22	1	10	4	6	0	0.84	40.00
Question #23	1	10	4	6	0	0.77	40.00
Question #24	1	10	6	4	0	0.49	60.00
Question #25	1	10	1	9	0	-0.31	10.00

Gives an overall look at point values assigned to each question and the number of students total who answered correctly or incorrectly. This report shows "no responses" as well, which can be useful for exams that ask students to only answer certain questions based on other pre-defined criteria. Each question number is followed by the number of points assigned to the correct response.

Graded: The number of examinees who answered this question.

No Response: The number of students who left the question blank or had a mark that was undetectable by the scanning equipment.

Point Biserial: A measurement of the discrimination of an item. It indicates the relationship between a response for a given item and the overall test score of the respondent. It is constrained to be between -1 and +1, with 0 being the midpoint. A high value indicates that students who scored well on the exam chose this response.

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Legend: Incorrect:

Student: FUDD ELMER 3443443443

	Total Score	Score (%)
Overall	20 / 25	80.00 <div style="display: inline-block; width: 80%; height: 10px; background-color: #0070C0; border: 1px solid black;"></div>

Responses

Question	Response	Correct Answer	Question	Response	Correct Answer	Question	Response	Correct Answer	Question	Response	Correct Answer
Question #1	B		Question #8	A		Question #15	A		Question #22	A	
Question #2	B		Question #9	D		Question #16	A		Question #23	B	
Question #3	A		Question #10	E		Question #17	B		Question #24	C	
Question #4	C	E	Question #11	E		Question #18	D		Question #25	C	E
Question #5	B	D	Question #12	D		Question #19	B				
Question #6	B		Question #13	D	C	Question #20	E				
Question #7	B		Question #14	D		Question #21	C	D			

Provides a detailed grade report for each student who took the exam. Each student report appears on its own page, making it useful if you choose to distribute them to students.

Total Score: The total score achieved by the student. The first number is the points the student received (number of questions answered correctly multiplied by their point value); the second number is the total number of possible points on the exam.

Score (%): The corresponding percentage of the total score, accompanied by a bar that indicates the percentage value.

Below the overall score, individual responses to questions are shown. Items that were answered incorrectly by the student are highlighted and the correct answer is shown next to it.