

ParScore

Item Analysis Report

The **standard deviation** reflects the amount of points that deviate from the mean.

The **KR20** reflects how likely it is that a student will do as well on the second half of the exam as s/he did on the first half of the exam. An exam with a high KR20 yields reliable student scores. *The KR20 ranges from a low of 0 to a high of 1.*

Standard Item Analysis Report On Quiz1 Version A

Course #: 101	Instructor: Test	
Course Title: Test	Description:	
Day/Time:	Term/Year:	
Total Possible Points: 100.00	Median Score: 79.83	Highest Score: 92.00
Standard Deviation: 11.42	Mean Score: 76.95	Lowest Score: 48.00
Student in this group: 42	Reliability Coefficient (KR20): 0.82	
Student Records Based On: All Students		

No.	Correct Group Responses			Point Biserial	Correct Answer	Response Frequencies - * indicates correct answer										Non Distractor	
	Total	Upper 27%	Lower 27%			A	B	C	D	E							
1	54.76%	100.00%	27.27%	0.54	A	*23	4	6	9	0							E
2	73.81%			0.46	A	*31	7	2	4	0							E
3	92.86%			0.44	C	0											ABE
4	85.71%			0.50	B	4											CE
5	90.48%			0.11	B												CDE
6	83.33%			0.14	D												CE
7	97.62%			0.20													BDE
8	69.05%	54.55%	54.55%	0.17	A	*29											E
9	69.05%	90.91%	36.36%	0.52	A	*29											DE
10	97.62%	100.00%	100.00%	0.01	A	*41											CDE
11	88.10%	100.00%	72.73%			5											CDE
12	66.67%	81.82%	45.45%			1											B
13	80.95%	90.91%	54.55%			*34											E
14	80.95%	90.91%	54.55%			3											CE
15	71.43%	100.00%	54.55%			4											E
16	47.62%	18.18%	54.55%			*20	22	0	0	0							CDE
17	28.57%	45.45%	54.55%			*20	22	0	0	0							CDE
18	50.00%	36.36%	63.64%														CDE
19	69.05%	100.00%	27.27%	0.54	C												DE
20	80.95%	100.00%	63.64%	0.39	C												DE
21	83.33%	90.91%	54.55%	0.53	A												E
22	69.05%	90.91%	9.09%	0.67	D												E
23	100.00%	100.00%	100.00%	0.00													BCDE
24	92.86%	100.00%	81.82%	0.36	D												E
25	69.05%	81.82%	36.36%	0.46	A	*29	6	6	1	0							E

This is the percentage of students who answered this item correctly.

This is the percentage of high scoring students who answered this item correctly.

This is the percentage of low scoring students who answered this item correctly.

A high point biserial coefficient means that high scorers answered the item correctly more frequently than low scorers. A low point biserial coefficient means that high scorers answered the item incorrectly more frequently than low scorers. *The point biserial ranges from a low of -1 to a high of 1.*

Non-distractors are answers that did not distract the student from the correct answer.