

JOB NUMBER: A2305 (RERUN OF A0085)
INSTRUCTOR: THISISA SAMPLE
DEPARTMENT: MARC (99901)
DESCRIPTION: SAMPLE LONG IAP

MEASUREMENT AND RESEARCH CENTER
TEMPLE UNIVERSITY
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THE FOLLOWING IS PROVIDED TO AID IN THE INTERPRETATION OF THE OUTPUT.

** TEST SCORE DISTRIBUTION **

"RAW SCORE" IS THE TOTAL NUMBER OF (NON- OMITTED) ITEMS A STUDENT ANSWERED CORRECTLY.
"WTD SCORE" (WEIGHTED SCORE) IS THE SUM OF THE WEIGHTS ASSIGNED TO EACH (NON- OMITTED) ITEM THE STUDENT ANSWERED CORRECTLY.
FOR TEST THAT HAVE NO WEIGHTED ITEMS, THE WEIGHTED SCORE IS THE SAME AS THE RAW SCORE.
"FREQUENCY" IS THE NUMBER OF STUDENTS WHO OBTAINED THE CORRESPONDING RAW OR WEIGHTED SCORE.
"CUMULATIVE FREQUENCY" IS TOTAL NUMBER OF STUDENTS WHO RECEIVED A SCORE AT OR BELOW THE CORRESPONDING RAW OR WEIGHTED SCORE.
"PERCENTILE RANK" IS THE PERCENTAGE OF STUDENTS WHO RECEIVED A SCORE AT OR BELOW THE CORRESPONDING RAW OR WEIGHTED SCORE.
"STANDARD SCORE" IS THE RAW OR WEIGHTED SCORE CONVERTED TO A Z SCORE. THE Z SCORES THAT MARC CALCULATES HAVE BEEN
TRANSFORMED SO THAT THE STANDARD SCORE DISTRIBUTION HAS A MEAN OF 50 AND STANDARD DEVIATION OF 10.

** SUMMARY STATISTICS **

"MEAN" IS THE AVERAGE OF ALL SCORES.
"MEDIAN" IS THE POINT BELOW WHICH AND ABOVE WHICH FIFTY PERCENT OF THE SCORES LIE.
"MODE" IS THE MOST FREQUENTLY OCCURRING SCORE. NO MODE WILL BE CALCULATED IF MORE THAN ONE SCORE OCCURS MOST FREQUENTLY.
"STANDARD DEVIATION" DESCRIBES THE VARIABILITY OF THE TEST SCORES.
"SKEWNESS" IS THE DEGREE TO WHICH THE FREQUENCY DISTRIBUTION OR CURVE DEPARTS FROM A SYMMETRICAL SHAPE.
"KURTOSIS" IS THE RELATIVE DEGREE OF FLATNESS OR PEAKEDNESS OF THE PART OF A FREQUENCY CURVE THAT LIES NEAR
THE MODE, AS COMPARED WITH THAT PART OF THE NORMAL CURVE.
"MAXIMUM" AND "MINIMUM" ARE THE HIGHEST AND LOWEST OBTAINED SCORES, RESPECTIVELY.

** ITEM ANALYSIS **

"ITEM MSG" CONTAINS A MESSAGE IF THE PERCENTAGE OF STUDENTS ANSWERING CORRECTLY IS LESS THAN 25% OR LESS THAN 10%,
OR IF THE ITEM IS AN "OMIT" OR A "MULT" ON THE ANSWER KEY.
"TOTAL CORRECT" IS THE TOTAL NUMBER OF STUDENTS ANSWERING THE ITEM CORRECTLY.
"UPPER" REFERS TO THE TOP 27.5 PERCENT OF THE CASES AND "LOWER" TO THE BOTTOM 27.5 (UNLESS OTHERWISE SPECIFIED).
"A B C D E" REFER TO RESPONSE OPTIONS. THE STARRED ("****") OPTION IS THE CORRECT RESPONSE AS GRIDDED ON THE
SCORING KEY. THE NUMBER UNDER EACH OPTION IS THE TOTAL NUMBER OF STUDENTS IN EACH GROUP MAKING THAT RESPONSE
AND THE NUMBER IN PARENTHESES ARE THE PERCENTAGE IN EACH GROUP MAKING THAT CHOICE.
"BLNK" IS THE NUMBER OF STUDENTS WHO DID NOT ANSWER THE ITEM (OR GAVE MULTIPLE ANSWERS). "ERR" IS THE NUMBER OF
INVALID RESPONSES (IF NOT ZERO, THE DATA MUST BE CLOSELY EXAMINED TO DETERMINE THE CAUSE OF THE ERROR).
"REL DIFF" IS THE RELATIVE DIFFICULTY OF THE ITEM AND IS THE PERCENTAGE OF STUDENTS MISSING THE ITEM (THE HIGHER THE
PERCENTAGE, THE MORE DIFFICULT THE ITEM).
"PHI COEFF" (PHI COEFFICIENT) DESCRIBES THE RELATIONSHIP BETWEEN THE ITEM AND THE UPPER/ LOWER GROUPS, WHERE GROUPS
ARE DEFINED AS THE TOP 27.5 PERCENT OF THE SCORES (UPPER) AND THE LOWEST 27.5 PERCENT OF THE SCORES (LOWER).
"SIG" IS THE SIGNIFICANCE OF THE ITEM-GROUP RELATIONSHIP (PHI), AND IS THE PROBABILITY OF OBTAINING
THE OBSERVED PHI VALUE BY CHANCE ALONE.
"PT BISER" (POINT-BISERIAL) DESCRIBES THE CORRELATION BETWEEN STUDENT SUCCESS ON THE ITEM AND STUDENT SUCCESS ON THE TEST.
GENERALLY, THE CLOSER THE VALUE IS TO POSITIVE ONE, THE BETTER THE ITEM. ITEMS WITH VALUES CLOSE TO 0, AND
ESPECIALLY NEGATIVE VALUES, MAY BE ITEMS THAT ARE POORLY WRITTEN OR ARE OTHERWISE POOR MEASURES OF STUDENT LEARNING.
"OBTAINED D" IS THE DISCRIMINATION INDEX. IT REFLECTS THE DEGREE TO WHICH THE ITEM DISCRIMINATES BETWEEN THE
UPPER AND LOWER GROUPS.
"MAX" IS THE HIGHEST DISCRIMINATION INDEX WHICH COULD BE EXPECTED, HYPOTHETICALLY, BETWEEN THE UPPER AND LOWER GROUPS.
"EFF" IS THE EFFICIENCY OF THIS ITEM AND IS THE RATIO OF THE OBTAINED D TO THE MAXIMUM D.

** SUMMARY STATISTICS **

"KR 20" IS A MEASURE OF THE INTERNAL CONSISTENCY OF THE TEST AND IS A FUNCTION OF THE NUMBER OF ITEMS ON
THE TEST, THE VARIABILITY OF THE SCORES, AND THE PROPORTION OF CORRECT AND INCORRECT RESPONSES FOR EACH ITEM.
"STANDARD ERROR OF MEASUREMENT" IS A FUNCTION OF THE TEST'S STANDARD DEVIATION AND RELIABILITY
(AS MEASURED BY KR 20). IT INDICATES THE MAGNITUDE OF ERROR IN EACH TEST SCORE IN TERMS OF TEST POINTS.

THE FORMAT OF THIS REPORT WAS MODELED ON A REPORT DEVELOPED BY AND BELONGING TO DR. DAVID D. S. POOR.

DESCRIPTION OF TEST AND PROCESSING OPTIONS

TEST DESCRIPTION

FORM: BLUE CLASSROOM EXAM (5 RESPONSE OPTIONS)

NUMBER OF ITEMS ON TEST = 50

NUMBER OF STUDENTS = 30

UPPER GROUP CUTOFF FOR PHI ADJUSTED TO EQUALIZE N'S:

UPPER GROUP RAW SCORES >= 33

LOWER GROUP RAW SCORES <= 24

OUTPUT OPTIONS

REPORT TYPE: LONG

STUDENT SCORE LISTINGS: -ALPHA -SCORE -TUid

RESPONSE LISTS AND PROFILES

EXPORT FILES: -SUMMARY EXCEL -RAW DATA FILE (LONG)

PROCESSING OPTIONS

ITEMS WITH MULTIPLE RESPONSES

41: ANY NON-BLANK ANSWER

42: CD

45: ABC

47: BC

OMITTED ITEMS

29 - 30: OMIT

WEIGHTED ITEMS

1 - 50: 2 PTS.

TEST SCORE DISTRIBUTION

ALL ITEMS, WEIGHTED SCORE

WTD SCORE	FREQUENCY	CUMULATIVE FREQUENCY	PERCENTILE RANK	STANDARD SCORE
96	1	30	100.0	77.6
78	1	29	96.7	64.3
76	3	28	93.3	62.8
74	1	25	83.3	61.4
72	2	24	80.0	59.9
64	1	22	73.3	54.0
62	2	21	70.0	52.5
60	2	19	63.3	51.0
58	1	17	56.7	49.6
56	2	16	53.3	48.1
54	3	14	46.7	46.6
50	2	11	36.7	43.7
48	3	9	30.0	42.2
46	1	6	20.0	40.7
44	1	5	16.7	39.2
42	2	4	13.3	37.8
40	2	2	6.7	36.3

SUMMARY STATISTICS

NUMBER OF ITEMS ON TEST 50
 NUMBER OF STUDENTS 30

MEAN 58.60
 MEDIAN 56
 MODE NONE

STANDARD DEVIATION 13.56
 STANDARD SCORE MEAN 50.00
 STANDARD SCORE S. D. 10.00

SKEWNESS 0.69
 KURTOSIS -0.03

MAXIMUM 96
 MINIMUM 40
 RANGE 56

TEST SCORE HISTOGRAM

HISTOGRAM 'X' AXIS SCALE: 100%

ALL ITEMS, WEIGHTED SCORE



ITEM	STATISTICS	MULTIPLE CHOICE RESPONSES AND PERCENTAGES ()						
		A	B	C	D	E	BLNK	ERR
1	TOTAL CORRECT REL DIFF N=22 PCT=73.3 .267 PHI COEF=.245 (SIG=.20) PT.BISER=.216 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D=.20.8 MAX=.45.8 EFF=.45.5	UPPER (PCT)	7*** (88)	1 (13)	0 (0)	0 (0)	0 (0)	0 (0)
		LOWER (PCT)	6*** (67)	2 (22)	1 (11)	0 (0)	0 (0)	0 (0)
		TOTAL (PCT)	22*** (73)	5 (17)	2 (7)	1 (3)	0 (0)	0 (0)
2	TOTAL CORRECT REL DIFF N=19 PCT=63.3 .367 PHI COEF=.127 (SIG=N.S.) PT.BISER=.207 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D=.9.7 MAX=.34.7 EFF=.28.0	UPPER (PCT)	1 (13)	7*** (88)	0 (0)	0 (0)	0 (0)	0 (0)
		LOWER (PCT)	1 (11)	7*** (78)	1 (11)	0 (0)	0 (0)	0 (0)
		TOTAL (PCT)	7 (23)	19*** (63)	4 (13)	0 (0)	0 (0)	0 (0)
3	TOTAL CORRECT REL DIFF N=16 PCT=.53.3 .467 PHI COEF=.450 (SIG=.02) PT.BISER=.386 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D=.43.1 MAX=.68.1 EFF=.63.3	UPPER (PCT)	1 (13)	7*** (88)	0 (0)	0 (0)	0 (0)	0 (0)
		LOWER (PCT)	0 (0)	4*** (44)	5 (56)	0 (0)	0 (0)	0 (0)
		TOTAL (PCT)	6 (20)	16*** (53)	8 (27)	0 (0)	0 (0)	0 (0)
4	TOTAL CORRECT REL DIFF N=17 PCT=.56.7 .433 PHI COEF=.889 (SIG=.001) PT.BISER=.624 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D=.88.9 MAX=.88.9 EFF=.100.0	UPPER (PCT)	0 (0)	8*** (100)	0 (0)	0 (0)	0 (0)	0 (0)
		LOWER (PCT)	1 (11)	1*** (11)	5 (56)	2 (22)	0 (0)	0 (0)
		TOTAL (PCT)	1 (3)	17*** (57)	9 (30)	2 (7)	0 (0)	1 (3)
5	TOTAL CORRECT REL DIFF N=22 PCT=73.3 .267 PHI COEF=.091 (SIG=N.S.) PT.BISER=.171 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D=.8.3 MAX=.58.3 EFF=.14.3	UPPER (PCT)	0 (0)	2 (25)	6*** (75)	0 (0)	0 (0)	0 (0)
		LOWER (PCT)	0 (0)	1 (11)	6*** (67)	0 (0)	2 (22)	0 (0)
		TOTAL (PCT)	0 (0)	5 (17)	22*** (73)	0 (0)	2 (7)	1 (3)
6	TOTAL CORRECT REL DIFF N=23 PCT=.76.7 .233 PHI COEF=.127 (SIG=N.S.) PT.BISER=.222 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D=.9.7 MAX=.34.7 EFF=.28.0	UPPER (PCT)	0 (0)	1 (13)	7*** (88)	0 (0)	0 (0)	0 (0)
		LOWER (PCT)	0 (0)	1 (11)	7*** (78)	1 (11)	0 (0)	0 (0)
		TOTAL (PCT)	0 (0)	6 (20)	23*** (77)	1 (3)	0 (0)	0 (0)

ITEM	STATISTICS	MULTIPLE CHOICE RESPONSES AND PERCENTAGES ()							
		A	B	C	D	E	BLNK	ERR	
7	TOTAL CORRECT REL DIFF N=15 PCT=50.0 .500 PHI COEF=.292 (SIG=.20) PT.BISER=.251 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D=.29.2 MAX= 95.8 EFF= 30.4	UPPER (PCT)	1 (13)	2 (25)	5*** (63)	0 (0)	0 (0)	0 (0)	0 (0)
		LOWER (PCT)	2 (22)	3 (33)	3*** (33)	0 (0)	1 (11)	0 (0)	0 (0)
		TOTAL (PCT)	3 (10)	11 (37)	15*** (50)	0 (0)	1 (3)	0 (0)	0 (0)
8	TOTAL CORRECT REL DIFF N=11 PCT=36.7 .633 PHI COEF=.056 (SIG=N.S.) PT.BISER=.201 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D=.5.6 MAX= 94.4 EFF= 5.9	UPPER (PCT)	2 (25)	4*** (50)	2 (25)	0 (0)	0 (0)	0 (0)	0 (0)
		LOWER (PCT)	4 (44)	4*** (44)	0 (0)	0 (0)	1 (11)	0 (0)	0 (0)
		TOTAL (PCT)	14 (47)	11*** (37)	2 (7)	2 (7)	1 (3)	0 (0)	0 (0)
9	TOTAL CORRECT REL DIFF N=12 PCT=40.0 .600 PHI COEF=.408 (SIG=.05) PT.BISER=.375 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D=.40.3 MAX= 84.7 EFF= 47.5	UPPER (PCT)	5*** (63)	2 (25)	1 (13)	0 (0)	0 (0)	0 (0)	0 (0)
		LOWER (PCT)	2*** (22)	1 (11)	6 (67)	0 (0)	0 (0)	0 (0)	0 (0)
		TOTAL (PCT)	12*** (40)	5 (17)	13 (43)	0 (0)	0 (0)	0 (0)	0 (0)
10	TOTAL CORRECT REL DIFF N=16 PCT=53.3 .467 PHI COEF=.310 (SIG=.10) PT.BISER=.308 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D=.30.6 MAX= 80.6 EFF= 37.9	UPPER (PCT)	1 (13)	1 (13)	6*** (75)	0 (0)	0 (0)	0 (0)	0 (0)
		LOWER (PCT)	0 (0)	0 (0)	4*** (44)	5 (56)	0 (0)	0 (0)	0 (0)
		TOTAL (PCT)	1 (3)	1 (3)	16*** (53)	11 (37)	0 (0)	1 (3)	0 (0)
11	TOTAL CORRECT REL DIFF N=16 PCT=53.3 .467 PHI COEF=.181 (SIG=N.S.) PT.BISER=.199 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D=.18.1 MAX= 93.1 EFF= 19.4	UPPER (PCT)	0 (0)	1 (13)	2 (25)	5*** (63)	0 (0)	0 (0)	0 (0)
		LOWER (PCT)	0 (0)	0 (0)	1 (11)	4*** (44)	4 (44)	0 (0)	0 (0)
		TOTAL (PCT)	0 (0)	1 (3)	3 (10)	16*** (53)	9 (30)	1 (3)	0 (0)
12	TOTAL CORRECT REL DIFF N=19 PCT=63.3 .367 PHI COEF=.648 (SIG=.001) PT.BISER=.421 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D=.63.9 MAX= 86.1 EFF= 74.2	UPPER (PCT)	1 (13)	0 (0)	1 (13)	0 (0)	6*** (75)	0 (0)	0 (0)
		LOWER (PCT)	0 (0)	2 (22)	1 (11)	5 (56)	1*** (11)	0 (0)	0 (0)
		TOTAL (PCT)	1 (3)	2 (7)	2 (7)	6 (20)	19*** (63)	0 (0)	0 (0)

ITEM	STATISTICS	MULTIPLE CHOICE RESPONSES AND PERCENTAGES ()						
		A	B	C	D	E	BLNK	ERR
13	TOTAL CORRECT REL DIFF N=17 PCT=56.7 .433 PHI COEF=.887 (SIG=.001) PT.BISER=.575 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D= 87.5 MAX= 87.5 EFF= 100.0	UPPER (PCT)	A 1 (13) B 0 (0) C 0 (0) D 7*** (88) E 0 (0) BLNK 0 (0) ERR 0 (0)					
	LOWER (PCT)	A 0 (0) B 2 (22) C 6 (67) D 0*** (0) E 1 (11) BLNK 0 (0) ERR 0 (0)						
14	TOTAL CORRECT REL DIFF N=20 PCT=66.7 .333 PHI COEF=.789 (SIG=.001) PT.BISER=.511 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D= 77.8 MAX= 77.8 EFF= 100.0	UPPER (PCT)	A 0 (0) B 0 (0) C 8*** (100) D 0 (0) E 0 (0) BLNK 0 (0) ERR 0 (0)					
	LOWER (PCT)	A 2 (22) B 5 (56) C 2*** (22) D 0 (0) E 0 (0) BLNK 0 (0) ERR 0 (0)						
15	TOTAL CORRECT REL DIFF N=20 PCT=66.7 .333 PHI COEF=.653 (SIG=.001) PT.BISER=.501 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D= 65.3 MAX= 90.3 EFF= 72.3	UPPER (PCT)	A 1 (13) B 7*** (88) C 0 (0) D 0 (0) E 0 (0) BLNK 0 (0) ERR 0 (0)					
	LOWER (PCT)	A 4 (44) B 2*** (22) C 2 (22) D 0 (0) E 1 (11) BLNK 0 (0) ERR 0 (0)						
16	TOTAL CORRECT REL DIFF N=19 PCT=63.3 .367 PHI COEF=.417 (SIG=.05) PT.BISER=.319 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D= 41.7 MAX= 91.7 EFF= 45.5	UPPER (PCT)	A 6*** (75) B 2 (25) C 0 (0) D 0 (0) E 0 (0) BLNK 0 (0) ERR 0 (0)					
	LOWER (PCT)	A 3*** (33) B 4 (44) C 1 (11) D 0 (0) E 1 (11) BLNK 0 (0) ERR 0 (0)						
17	TOTAL CORRECT REL DIFF N=15 PCT=50.0 .500 PHI COEF=.310 (SIG=.10) PT.BISER=.241 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D= 30.6 MAX= 80.6 EFF= 37.9	UPPER (PCT)	A 0 (0) B 6*** (75) C 2 (25) D 0 (0) E 0 (0) BLNK 0 (0) ERR 0 (0)					
	LOWER (PCT)	A 1 (11) B 4*** (44) C 4 (44) D 0 (0) E 0 (0) BLNK 0 (0) ERR 0 (0)						
18	TOTAL CORRECT REL DIFF N=16 PCT=53.3 .467 PHI COEF=.537 (SIG=.01) PT.BISER=.367 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D= 51.4 MAX= 73.6 EFF= 69.8	UPPER (PCT)	A 1 (13) B 1 (13) C 5*** (63) D 1 (13) E 0 (0) BLNK 0 (0) ERR 0 (0)					
	LOWER (PCT)	A 1 (11) B 4 (44) C 1*** (11) D 3 (33) E 0 (0) BLNK 0 (0) ERR 0 (0)						
	TOTAL (PCT)	A 3 (10) B 7 (23) C 16*** (53) D 4 (13) E 0 (0) BLNK 0 (0) ERR 0 (0)						

ITEM	STATISTICS	MULTIPLE CHOICE RESPONSES AND PERCENTAGES ()							
		A	B	C	D	E	BLNK	ERR	
19	TOTAL CORRECT REL DIFF N=19 PCT=.63.3 .367 PHI COEF=.528 (SIG=.01) PT.BISER=.350 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D=.52.8 MAX=.97.2 EFF=.54.3	UPPER (PCT)	0 (0)	0 (0)	1 (13)	6*** (75)	1 (13)	0 (0)	0 (0)
		LOWER (PCT)	1 (11)	1 (11)	3 (33)	2*** (22)	1 (11)	1 (11)	0 (0)
20	TOTAL CORRECT REL DIFF N=19 PCT=.63.3 .367 PHI COEF=.450 (SIG=.02) PT.BISER=.401 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D=.43.1 MAX=.68.1 EFF=.63.3	UPPER (PCT)	0 (0)	0 (0)	0 (0)	7*** (88)	1 (13)	0 (0)	0 (0)
		LOWER (PCT)	1 (11)	2 (22)	2 (22)	4*** (44)	0 (0)	0 (0)	0 (0)
21	TOTAL CORRECT REL DIFF N=21 PCT=.70.0 .300 PHI COEF=.609 (SIG=.001) PT.BISER=.501 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D=.55.6 MAX=.55.6 EFF=.100.0	UPPER (PCT)	0 (0)	0 (0)	0 (0)	0 (0)	8*** (100)	0 (0)	0 (0)
		LOWER (PCT)	1 (11)	0 (0)	0 (0)	3 (33)	4*** (44)	1 (11)	0 (0)
22	TOTAL CORRECT REL DIFF N=21 PCT=.70.0 .300 PHI COEF=.203 (SIG=N.S.) PT.BISER=.168 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D=.19.4 MAX=.69.4 EFF=.28.0	UPPER (PCT)	0 (0)	1 (13)	1 (13)	6*** (75)	0 (0)	0 (0)	0 (0)
		LOWER (PCT)	1 (11)	0 (0)	2 (22)	5*** (56)	0 (0)	1 (11)	0 (0)
23	TOTAL CORRECT REL DIFF N=23 PCT=.76.7 .233 PHI COEF=.310 (SIG=.10) PT.BISER=.269 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D=.30.6 MAX=.80.6 EFF=.37.9	UPPER (PCT)	0 (0)	2 (25)	6*** (75)	0 (0)	0 (0)	0 (0)	0 (0)
		LOWER (PCT)	2 (22)	3 (33)	4*** (44)	0 (0)	0 (0)	0 (0)	0 (0)
24	TOTAL CORRECT REL DIFF N=19 PCT=.63.3 .367 PHI COEF=.070 (SIG=N.S.) PT.BISER=.054 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D=.6.9 MAX=.81.9 EFF=.8.5	UPPER (PCT)	0 (0)	5*** (63)	2 (25)	0 (0)	1 (13)	0 (0)	0 (0)
		LOWER (PCT)	1 (11)	5*** (56)	2 (22)	0 (0)	1 (11)	0 (0)	0 (0)
		TOTAL (PCT)	4 (13)	19*** (63)	5 (17)	0 (0)	2 (7)	0 (0)	0 (0)

ITEM	STATISTICS	MULTIPLE CHOICE RESPONSES AND PERCENTAGES ()						
		A	B	C	D	E	BLNK	ERR
25	TOTAL CORRECT REL DIFF N=13 PCT=.43.3 .567 PHI COEF=.648 (SIG=.001) PT.BISER=.467 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D= 63.9 MAX= 86.1 EFF= 74.2	UPPER (PCT)	0 (0)	2 (25)	0 (0)	0 (0)	6*** (75)	0 (0)
		LOWER (PCT)	4 (44)	2 (22)	2 (22)	0 (0)	1*** (11)	0 (0)
		TOTAL (PCT)	4 (13)	9 (30)	4 (13)	0 (0)	13*** (43)	0 (0)
26	TOTAL CORRECT REL DIFF N=14 PCT=.46.7 .533 PHI COEF=-.033 (SIG=N.S.) PT.BISER=.047 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D= -2.8 MAX= 47.2 EFF= -5.9	UPPER (PCT)	1 (13)	6*** (75)	1 (13)	0 (0)	0 (0)	0 (0)
		LOWER (PCT)	2 (22)	7*** (78)	0 (0)	0 (0)	0 (0)	0 (0)
		TOTAL (PCT)	4 (13)	14*** (47)	11 (37)	1 (3)	0 (0)	0 (0)
27	TOTAL CORRECT REL DIFF N=16 PCT=.53.3 .467 PHI COEF=.450 (SIG=.02) PT.BISER=.406 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D= 43.1 MAX= 68.1 EFF= 63.3	UPPER (PCT)	0 (0)	1 (13)	7*** (88)	0 (0)	0 (0)	0 (0)
		LOWER (PCT)	0 (0)	5 (56)	4*** (44)	0 (0)	0 (0)	0 (0)
		TOTAL (PCT)	0 (0)	9 (30)	16*** (53)	5 (17)	0 (0)	0 (0)
28	TOTAL CORRECT REL DIFF N=23 PCT=.76.7 .233 PHI COEF=.245 (SIG=.20) PT.BISER=.152 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D= 20.8 MAX= 45.8 EFF= 45.5	UPPER (PCT)	1 (13)	7*** (88)	0 (0)	0 (0)	0 (0)	0 (0)
		LOWER (PCT)	0 (0)	6*** (67)	2 (22)	1 (11)	0 (0)	0 (0)
		TOTAL (PCT)	2 (7)	23*** (77)	3 (10)	2 (7)	0 (0)	0 (0)
29	*** OMITTED ***	UPPER (PCT)	1 (13)	1 (13)	0 (0)	1 (13)	0 (0)	5 (63)
	NO ITEM VARIANCE	LOWER (PCT)	2 (22)	4 (44)	0 (0)	1 (11)	1 (11)	1 (11)
*OMIT		TOTAL (PCT)	4 (13)	12 (40)	3 (10)	2 (7)	1 (3)	8 (27)
30	*** OMITTED ***	UPPER (PCT)	0 (0)	0 (0)	2 (25)	0 (0)	1 (13)	5 (63)
	NO ITEM VARIANCE	LOWER (PCT)	1 (11)	1 (11)	5 (56)	0 (0)	1 (11)	1 (11)
*OMIT		TOTAL (PCT)	1 (3)	3 (10)	15 (50)	0 (0)	2 (7)	9 (30)

ITEM	STATISTICS	MULTIPLE CHOICE RESPONSES AND PERCENTAGES ()						
		A	B	C	D	E	BLNK	ERR
31	TOTAL CORRECT REL DIFF N=16 PCT=53.3 .467 PHI COEF=.789 (SIG=.001) PT.BISER=.524 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D= 77.8 MAX= 77.8 EFF= 100.0	UPPER (PCT)	8*** (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
		LOWER (PCT)	2*** (22)	0 (0)	5 (56)	2 (22)	0 (0)	0 (0)
		TOTAL (PCT)	16*** (53)	2 (7)	8 (27)	3 (10)	1 (3)	0 (0)
32	TOTAL CORRECT REL DIFF N=20 PCT=66.7 .333 PHI COEF=.091 (SIG=N.S.) PT.BISER=.052 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D= 8.3 MAX= 58.3 EFF= 14.3	UPPER (PCT)	0 (0)	1 (13)	0 (0)	1 (13)	6*** (75)	0 (0)
		LOWER (PCT)	1 (11)	0 (0)	1 (11)	1 (11)	6*** (67)	0 (0)
		TOTAL (PCT)	2 (7)	3 (10)	3 (10)	2 (7)	20*** (67)	0 (0)
33	TOTAL CORRECT REL DIFF N=18 PCT=60.0 .400 PHI COEF=.070 (SIG=N.S.) PT.BISER=.026 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D= 6.9 MAX= 81.9 EFF= 8.5	UPPER (PCT)	5*** (63)	1 (13)	0 (0)	2 (25)	0 (0)	0 (0)
		LOWER (PCT)	5*** (56)	1 (11)	1 (11)	2 (22)	0 (0)	0 (0)
		TOTAL (PCT)	18*** (60)	2 (7)	2 (7)	7 (23)	1 (3)	0 (0)
34	TOTAL CORRECT REL DIFF N=18 PCT=60.0 .400 PHI COEF=.203 (SIG=N.S.) PT.BISER=.106 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D= 19.4 MAX= 69.4 EFF= 28.0	UPPER (PCT)	0 (0)	0 (0)	1 (13)	6*** (75)	1 (13)	0 (0)
		LOWER (PCT)	0 (0)	2 (22)	1 (11)	5*** (56)	1 (11)	0 (0)
		TOTAL (PCT)	1 (3)	2 (7)	3 (10)	18*** (60)	6 (20)	0 (0)
35	TOTAL CORRECT REL DIFF N=15 PCT=50.0 .500 PHI COEF=.417 (SIG=.05) PT.BISER=.300 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D= 41.7 MAX= 91.7 EFF= 45.5	UPPER (PCT)	2 (25)	0 (0)	0 (0)	0 (0)	6*** (75)	0 (0)
		LOWER (PCT)	2 (22)	1 (11)	2 (22)	1 (11)	3*** (33)	0 (0)
		TOTAL (PCT)	7 (23)	2 (7)	4 (13)	2 (7)	15*** (50)	0 (0)
36	TOTAL CORRECT REL DIFF N=11 PCT=36.7 .633 PHI COEF=.653 (SIG=.001) PT.BISER=.558 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D= 65.3 MAX= 90.3 EFF= 72.3	UPPER (PCT)	7*** (88)	1 (13)	0 (0)	0 (0)	0 (0)	0 (0)
		LOWER (PCT)	2*** (22)	1 (11)	6 (67)	0 (0)	0 (0)	0 (0)
		TOTAL (PCT)	11*** (37)	9 (30)	8 (27)	2 (7)	0 (0)	0 (0)

ITEM	STATISTICS	MULTIPLE CHOICE RESPONSES AND PERCENTAGES ()						
		A	B	C	D	E	BLNK	ERR
37	TOTAL CORRECT REL DIFF N=25 PCT=83.3 .167 PHI COEF=.344 (SIG=.10) PT.BISER=.310 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D= 22.2 MAX= 22.2 EFF= 100.0	UPPER (PCT)	0 (0)	0 (0)	8*** (100)	0 (0)	0 (0)	0 (0)
		LOWER (PCT)	1 (11)	0 (0)	7*** (78)	1 (11)	0 (0)	0 (0)
		TOTAL (PCT)	2 (7)	1 (3)	25*** (83)	1 (3)	1 (3)	0 (0)
38	TOTAL CORRECT REL DIFF N=24 PCT=80.0 .200 PHI COEF=.609 (SIG=.001) PT.BISER=.452 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D= 55.6 MAX= 55.6 EFF= 100.0	UPPER (PCT)	0 (0)	8*** (100)	0 (0)	0 (0)	0 (0)	0 (0)
		LOWER (PCT)	1 (11)	4*** (44)	2 (22)	2 (22)	0 (0)	0 (0)
		TOTAL (PCT)	1 (3)	24*** (80)	3 (10)	2 (7)	0 (0)	0 (0)
39	TOTAL CORRECT REL DIFF N=15 PCT=50.0 .500 PHI COEF=.310 (SIG=.10) PT.BISER=.280 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D= 30.6 MAX= 80.6 EFF= 37.9	UPPER (PCT)	0 (0)	1 (13)	1 (13)	6*** (75)	0 (0)	0 (0)
		LOWER (PCT)	0 (0)	2 (22)	2 (22)	4*** (44)	1 (11)	0 (0)
		TOTAL (PCT)	0 (0)	7 (23)	7 (23)	15*** (50)	1 (3)	0 (0)
40	TOTAL CORRECT REL DIFF N=17 PCT=56.7 .433 PHI COEF=.450 (SIG=.02) PT.BISER=.307 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D= 43.1 MAX= 68.1 EFF= 63.3	UPPER (PCT)	0 (0)	0 (0)	7*** (88)	0 (0)	1 (13)	0 (0)
		LOWER (PCT)	0 (0)	3 (33)	4*** (44)	2 (22)	0 (0)	0 (0)
		TOTAL (PCT)	0 (0)	5 (17)	17*** (57)	7 (23)	1 (3)	0 (0)
41	TOTAL CORRECT REL DIFF N=30 PCT= 100 .000 NO ITEM VARIANCE *MULT	UPPER (PCT)	4*** (50)	0*** (0)	3*** (38)	0*** (0)	1*** (13)	0 (0)
		LOWER (PCT)	0*** (0)	1*** (11)	3*** (33)	4*** (44)	1*** (11)	0 (0)
		TOTAL (PCT)	5*** (17)	2*** (7)	11*** (37)	4*** (13)	8*** (27)	0 (0)
42	TOTAL CORRECT REL DIFF N=27 PCT=90.0 .100 PHI COEF=-.265 (SIG=.20) PT.BISER=-.116 (ITEM-TOTAL) DISCRIMINATION INDICES OBTAINED D= -12.5 MAX= 12.5 EFF=-100.0	UPPER (PCT)	0 (0)	1 (13)	4*** (50)	3*** (38)	0 (0)	0 (0)
		LOWER (PCT)	0 (0)	0 (0)	6*** (67)	3*** (33)	0 (0)	0 (0)
		TOTAL (PCT)	1 (3)	2 (7)	15*** (50)	12*** (40)	0 (0)	0 (0)

ITEM STATISTICS

MULTIPLE CHOICE RESPONSES AND PERCENTAGES ()

ITEM	TOTAL CORRECT	REL DIFF	N=12	PCT=40.0 .600	UPPER	A	B	C	D	E	BLNK	ERR
						(PCT)	(13)	(88)	(0)	(0)	(0)	(0)
49	PHI COEF= .549 (SIG=.01)	(PCT)										
	PT.BISER= .486 (ITEM-TOTAL)	LOWER				3	3***	3	0	0	0	0
	DISCRIMINATION INDICES	(PCT)				(33)	(33)	(33)	(0)	(0)	(0)	(0)
	OBTAINED D= 54.2	TOTAL				8	12***	8	2	0	0	0
	MAX= 79.2 EFF= 68.4	(PCT)				(27)	(40)	(27)	(7)	(0)	(0)	(0)
50	TOTAL CORRECT	REL DIFF	N=18	PCT=60.0 .400	UPPER	A	B	C	D	E	BLNK	ERR
	PHI COEF= .350 (SIG=.10)	(PCT)				7***	1	0	0	0	0	0
	PT.BISER= .327 (ITEM-TOTAL)	LOWER				(88)	(13)	(0)	(0)	(0)	(0)	(0)
	DISCRIMINATION INDICES	(PCT)				5***	0	2	2	0	0	0
	OBTAINED D= 31.9	TOTAL				(56)	(0)	(22)	(22)	(0)	(0)	(0)
	MAX= 56.9 EFF= 56.1	(PCT)				18***	1	2	6	0	3	0
						(60)	(3)	(7)	(20)	(0)	(10)	(0)

SUMMARY STATISTICS

TOTAL TEST STATISTICS -- TEST DISTRIBUTION

NUMBER OF STUDENTS TAKING TEST = 30
 NUMBER OF ITEMS IN TEST = 50

MEAN TEST SCORE = 58.60
 MEDIAN = 56
 MODE = NONE

MAXIMUM = 96
 MINIMUM = 40

STANDARD DEVIATION = 13.56
 SKEWNESS = 0.69
 KURTOSIS = -0.03

RANGE = 56

UPPER/LOWER GROUP STATISTICS

	PERCENT STUDENTS	NUMBER STUDENTS	MEAN SCORE
TOTAL	100.00	30	58.600
UPPER	26.67	8	77.500
LOWER	30.00	9	44.222

RELIABILITY ESTIMATES - BASED ON 47 ITEMS

KUDER-RICHARDSON 20 (KR 20) = 0.789
 STANDARD ERROR OF MEASUREMENT = 6.220

ITEM DIFFICULTY DISTRIBUTION

BASED ON 48 ITEMS

RANGE	NUMBER OF ITEMS	PERCENTAGE OF ITEMS
.81-1.00	0	0
.61- .80	2	4
.41- .60	20	42
.21- .40	21	44
.00- .20	5	10

MEAN ITEM DIFFICULTY = .390

ITEM DISCRIMINATION DISTRIBUTION

BASED ON 47 ITEMS

RANGE	NUMBER OF ITEMS	PERCENTAGE OF ITEMS
.81-1.00	2	4
.61- .80	7	15
.41- .60	13	28
.21- .40	11	23
.00- .20	10	21
BELOW .00	4	9

MEAN ITEM DISCRIMINATION = .354

SUBJECT IDENTIFICATION		NUM	SCORE	PCTL	PCTC	RAW	
964321000	BUNNY	BUG S	21	76	93	79	38
986311011	DUCK	DONALD	23	74	83	77	37
933301234	DUKE	KENNET	17	54	47	56	27
933333333	FIELDS	KIM	4	40	7	42	20
975433332	IDOL	BILL Y	25	54	47	56	27
999887777	JONES	JIM	2	48	30	50	24
955321123	KENT	CLARK	27	96	100	100	48
976655443	LANE	LOIS	29	60	63	63	30
911122333	MAYFIELD	JANICE	18	44	17	46	22
922333999	MCNULTY	EDWIN	12	62	70	65	31
943100132	MOUSE	MICKEY	22	72	80	75	36
921011112	MUNSTER	HERMAN	24	46	20	48	23
987654321	NGUYEN	DAVID	8	60	63	63	30
976544334	OLSON	JIMMY	30	76	93	79	38
922000999	OPERATIONS	TEST	10	72	80	75	36
988777665	PARKER	PETER	28	54	47	56	27
911111111	PEARSON	RICHAR	5	64	73	67	32
912212121	PRINCE	DIAN A	26	76	93	79	38
900000001	SAMPLE	I AM	11	48	30	50	24
910000001	SAMPLE 2	I AM	13	40	7	42	20
967997886	SANTIAGO	DINAH	9	42	13	44	21
932101234	SMITH	KELLY	7	62	70	65	31
911122223	STONE	SHARON	16	42	13	44	21
952101234	THOMAS	FRANCE	14	56	53	58	28
998778656	VALINTINO	ANTHON	31	78	97	81	39
900004444	WASHINGTON	JOHN	3	48	30	50	24
967654321	WATERS	DAVID	15	50	37	52	25
929948234	WATTS	MEGA	20	50	37	52	25
963548234	WILSON	CLAUDI	19	56	53	58	28
922222222	YOUNG	SALLY	6	58	57	60	29

SUBJECT IDENTIFICATION		NUM	SCORE	PCTL	PCTC	RAW
955321123	KENT	CLARK	27	96	100	100
998778656	VALINTINO	ANTHON	31	78	97	81
976544334	OLSON	JIMMY	30	76	93	79
912212121	PRINCE	DIAN A	26	76	93	79
964321000	BUNNY	BUG S	21	76	93	79
986311011	DUCK	DONALD	23	74	83	77
943100132	MOUSE	MICKEY	22	72	80	75
922000999	OPERATIONS	TEST	10	72	80	75
911111111	PEARSON	RICHAR	5	64	73	67
922333999	MCNULTY	EDWIN	12	62	70	65
932101234	SMITH	KELLY	7	62	70	65
976655443	LANE	LOIS	29	60	63	63
987654321	NGUYEN	DAVID	8	60	63	63
922222222	YOUNG	SALLY	6	58	57	60
963548234	WILSON	CLAUDI	19	56	53	58
952101234	THOMAS	FRANCE	14	56	53	58
988777665	PARKER	PETER	28	54	47	56
975433332	IDOL	BILL Y	25	54	47	56
933301234	DUKE	KENNETH	17	54	47	56
929948234	WATTS	MEGA	20	50	37	52
967654321	WATERS	DAVID	15	50	37	52
900000001	SAMPLE	I AM	11	48	30	50
900004444	WASHINGTON	JOHN	3	48	30	50
999887777	JONES	JIM	2	48	30	50
921011112	MUNSTER	HERMAN	24	46	20	48
911122333	MAYFIELD	JANICE	18	44	17	46
911122223	STONE	SHARON	16	42	13	44
967997886	SANTIAGO	DINAH	9	42	13	44
910000001	SAMPLE 2	I AM	13	40	7	42
933333333	FIELDS	KIM	4	40	7	42

SUBJECT IDENTIFICATION	NUM	SCORE	PCTL	PCTC	RAW
900000001	11	48	30	50	24
900004444	3	48	30	50	24
910000001	13	40	7	42	20
911111111	5	64	73	67	32
911122223	16	42	13	44	21
911122333	18	44	17	46	22
912212121	26	76	93	79	38
921011112	24	46	20	48	23
922000999	10	72	80	75	36
922222222	6	58	57	60	29
922333999	12	62	70	65	31
929948234	20	50	37	52	25
932101234	7	62	70	65	31
933301234	17	54	47	56	27
933333333	4	40	7	42	20
943100132	22	72	80	75	36
952101234	14	56	53	58	28
955321123	27	96	100	100	48
963548234	19	56	53	58	28
964321000	21	76	93	79	38
967654321	15	50	37	52	25
967997886	9	42	13	44	21
975433332	25	54	47	56	27
976544334	30	76	93	79	38
976655443	29	60	63	63	30
986311011	23	74	83	77	37
987654321	8	60	63	63	30
988777665	28	54	47	56	27
998778656	31	78	97	81	39
999887777	2	48	30	50	24

<p>STUDENT ID: BUG S BUNNY (964321000)</p> <p>SCORE: 76 RAW SCORE: 38 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 ++++++B+++</td><td>11- 20 +++++++</td><td>21- 30 ++BEBCB+OO</td></tr> <tr><td>31- 40 ++B+++++C+</td><td>41- 50 +B++E++++</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 ++++++B+++	11- 20 +++++++	21- 30 ++BEBCB+OO	31- 40 ++B+++++C+	41- 50 +B++E++++		<p>STUDENT ID: DONALD DUCK (986311011)</p> <p>SCORE: 74 RAW SCORE: 37 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 ++++B++CCA</td><td>11- 20 C++ABCDE+</td><td>21- 30 +++++++BC</td></tr> <tr><td>31- 40 +++++++B+</td><td>41- 50 +++++++</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 ++++B++CCA	11- 20 C++ABCDE+	21- 30 +++++++BC	31- 40 +++++++B+	41- 50 +++++++	
1234567890	1234567890	1234567890																	
1- 10 ++++++B+++	11- 20 +++++++	21- 30 ++BEBCB+OO																	
31- 40 ++B+++++C+	41- 50 +B++E++++																		
1234567890	1234567890	1234567890																	
1- 10 ++++B++CCA	11- 20 C++ABCDE+	21- 30 +++++++BC																	
31- 40 +++++++B+	41- 50 +++++++																		
<p>STUDENT ID: KENNETH DUKE (933301234)</p> <p>SCORE: 54 RAW SCORE: 27 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 +AAOO+BACD</td><td>11- 20 E++++C++</td><td>21- 30 +++BCD+BC</td></tr> <tr><td>31- 40 +++++B++CD</td><td>41- 50 +++++DEACD</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 +AAOO+BACD	11- 20 E++++C++	21- 30 +++BCD+BC	31- 40 +++++B++CD	41- 50 +++++DEACD		<p>STUDENT ID: KIM FIELDS (933333333)</p> <p>SCORE: 40 RAW SCORE: 20 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 CCCC+BBA++</td><td>11- 20 +DC+CE+BBB</td><td>21- 30 DCBCC+B+BB</td></tr> <tr><td>31- 40 +A++DCDCC+</td><td>41- 50 +BB++C++</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 CCCC+BBA++	11- 20 +DC+CE+BBB	21- 30 DCBCC+B+BB	31- 40 +A++DCDCC+	41- 50 +BB++C++	
1234567890	1234567890	1234567890																	
1- 10 +AAOO+BACD	11- 20 E++++C++	21- 30 +++BCD+BC																	
31- 40 +++++B++CD	41- 50 +++++DEACD																		
1234567890	1234567890	1234567890																	
1- 10 CCCC+BBA++	11- 20 +DC+CE+BBB	21- 30 DCBCC+B+BB																	
31- 40 +A++DCDCC+	41- 50 +BB++C++																		
<p>STUDENT ID: BILL Y IDOL (975433332)</p> <p>SCORE: 54 RAW SCORE: 27 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 +++++B++BD</td><td>11- 20 +++++++</td><td>21- 30 CB+++++DOO</td></tr> <tr><td>31- 40 BBDEBBBB+B</td><td>41- 50 +AAB+DDCA+</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 +++++B++BD	11- 20 +++++++	21- 30 CB+++++DOO	31- 40 BBDEBBBB+B	41- 50 +AAB+DDCA+		<p>STUDENT ID: JIM JONES (999887777)</p> <p>SCORE: 48 RAW SCORE: 24 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 B+CC++EECD</td><td>11- 20 +BBA+++++</td><td>21- 30 DC+E++++BC</td></tr> <tr><td>31- 40 DDDE+C+CBB</td><td>41- 50 +BB++DA++</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 B+CC++EECD	11- 20 +BBA+++++	21- 30 DC+E++++BC	31- 40 DDDE+C+CBB	41- 50 +BB++DA++	
1234567890	1234567890	1234567890																	
1- 10 +++++B++BD	11- 20 +++++++	21- 30 CB+++++DOO																	
31- 40 BBDEBBBB+B	41- 50 +AAB+DDCA+																		
1234567890	1234567890	1234567890																	
1- 10 B+CC++EECD	11- 20 +BBA+++++	21- 30 DC+E++++BC																	
31- 40 DDDE+C+CBB	41- 50 +BB++DA++																		
<p>STUDENT ID: CLARK KENT (955321123)</p> <p>SCORE: 96 RAW SCORE: 48 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 +++++++</td><td>11- 20 +++++++</td><td>21- 30 +++++++OO</td></tr> <tr><td>31- 40 +++++++</td><td>41- 50 +++++++</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 +++++++	11- 20 +++++++	21- 30 +++++++OO	31- 40 +++++++	41- 50 +++++++		<p>STUDENT ID: LOIS LANE (976655443)</p> <p>SCORE: 60 RAW SCORE: 30 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 C+C++++++</td><td>11- 20 +++++A+++</td><td>21- 30 +++++C+AOO</td></tr> <tr><td>31- 40 CACECDACBD</td><td>41- 50 +BCC++++++</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 C+C++++++	11- 20 +++++A+++	21- 30 +++++C+AOO	31- 40 CACECDACBD	41- 50 +BCC++++++	
1234567890	1234567890	1234567890																	
1- 10 +++++++	11- 20 +++++++	21- 30 +++++++OO																	
31- 40 +++++++	41- 50 +++++++																		
1234567890	1234567890	1234567890																	
1- 10 C+C++++++	11- 20 +++++A+++	21- 30 +++++C+AOO																	
31- 40 CACECDACBD	41- 50 +BCC++++++																		
<p>STUDENT ID: JANICE MAYFIELD (911122333)</p> <p>SCORE: 44 RAW SCORE: 22 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 +++C++BACD</td><td>11- 20 EDCBAB+BC+</td><td>21- 30 D+B+B+B+AC</td></tr> <tr><td>31- 40 C++AC+++</td><td>41- 50 +++C+DEACD</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 +++C++BACD	11- 20 EDCBAB+BC+	21- 30 D+B+B+B+AC	31- 40 C++AC+++	41- 50 +++C+DEACD		<p>STUDENT ID: EDWIN MCNULTY (922333999)</p> <p>SCORE: 62 RAW SCORE: 31 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 ++++++AB+</td><td>11- 20 ++++++B+C</td><td>21- 30 CC+CCC+CCC</td></tr> <tr><td>31- 40 C+DCAB+++</td><td>41- 50 +BB++A+</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 ++++++AB+	11- 20 ++++++B+C	21- 30 CC+CCC+CCC	31- 40 C+DCAB+++	41- 50 +BB++A+	
1234567890	1234567890	1234567890																	
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<p>STUDENT ID: MICKEY MOUSE (943100132)</p> <p>SCORE: 72 RAW SCORE: 36 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 +++B++CBB</td><td>11- 20 BAA+++++E</td><td>21- 30 +++++++AOO</td></tr> <tr><td>31- 40 ++++++++</td><td>41- 50 ++DB+++A++</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 +++B++CBB	11- 20 BAA+++++E	21- 30 +++++++AOO	31- 40 ++++++++	41- 50 ++DB+++A++		<p>STUDENT ID: HERMAN MUNSTER (921011112)</p> <p>SCORE: 46 RAW SCORE: 23 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 +A+AB+++C+</td><td>11- 20 +CC++AB++</td><td>21- 30 ++ACCABC00</td></tr> <tr><td>31- 40 ++CBCC++EB</td><td>41- 50 +++C+DDA+C</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 +A+AB+++C+	11- 20 +CC++AB++	21- 30 ++ACCABC00	31- 40 ++CBCC++EB	41- 50 +++C+DDA+C	
1234567890	1234567890	1234567890																	
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<p>STUDENT ID: DAVID NGUYEN (987654321)</p> <p>SCORE: 60 RAW SCORE: 30 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 BCC++B+D++</td><td>11- 20 +++++++C</td><td>21- 30 +++A+CB+CB</td></tr> <tr><td>31- 40 +C+EDC++B+</td><td>41- 50 +++C++AAO</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 BCC++B+D++	11- 20 +++++++C	21- 30 +++A+CB+CB	31- 40 +C+EDC++B+	41- 50 +++C++AAO		<p>STUDENT ID: JIMMY OLSON (976544334)</p> <p>SCORE: 76 RAW SCORE: 38 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 +++++++</td><td>11- 20 +++++BCAC+</td><td>21- 30 +CB++++AE</td></tr> <tr><td>31- 40 +DDEA++++</td><td>41- 50 +++++++</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 +++++++	11- 20 +++++BCAC+	21- 30 +CB++++AE	31- 40 +DDEA++++	41- 50 +++++++	
1234567890	1234567890	1234567890																	
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<p>STUDENT ID: TEST OPERATIONS (922000999)</p> <p>SCORE: 72 RAW SCORE: 36 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 +++++++AB+</td><td>11- 20 +++++++B++</td><td>21- 30 +++CBA++DC</td></tr> <tr><td>31- 40 ++DCAB++++</td><td>41- 50 +++B++++A+</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 +++++++AB+	11- 20 +++++++B++	21- 30 +++CBA++DC	31- 40 ++DCAB++++	41- 50 +++B++++A+		<p>STUDENT ID: PETER PARKER (988777665)</p> <p>SCORE: 54 RAW SCORE: 27 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 DC++B++A++</td><td>11- 20 ++BBCBCA+E</td><td>21- 30 D++++AB+BO</td></tr> <tr><td>31- 40 B++++++</td><td>41- 50 ++A+DCA+CO</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 DC++B++A++	11- 20 ++BBCBCA+E	21- 30 D++++AB+BO	31- 40 B++++++	41- 50 ++A+DCA+CO	
1234567890	1234567890	1234567890																	
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<p>STUDENT ID: RICHAR PEARSON (911111111)</p> <p>SCORE: 64 RAW SCORE: 32 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 +++++++</td><td>11- 20 ++OA+BC+B+</td><td>21- 30 +++ACC++BC</td></tr> <tr><td>31- 40 EBEEA++++</td><td>41- 50 +++C+C++A+</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 +++++++	11- 20 ++OA+BC+B+	21- 30 +++ACC++BC	31- 40 EBEEA++++	41- 50 +++C+C++A+		<p>STUDENT ID: DIAN A PRINCE (912212121)</p> <p>SCORE: 76 RAW SCORE: 38 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 BAA++BA+++</td><td>11- 20 CC++++++</td><td>21- 30 +B+C++++OO</td></tr> <tr><td>31- 40 +B++++++</td><td>41- 50 +++++++</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 BAA++BA+++	11- 20 CC++++++	21- 30 +B+C++++OO	31- 40 +B++++++	41- 50 +++++++	
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31- 40 +B++++++	41- 50 +++++++																		
<p>STUDENT ID: I AM SAMPLE (900000001)</p> <p>SCORE: 48 RAW SCORE: 24 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 ++CDE+A+CD</td><td>11- 20 EDCBABCDEC</td><td>21- 30 +++;A+++BC</td></tr> <tr><td>31- 40 C+++++D+D</td><td>41- 50 ++CB+++AA+</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 ++CDE+A+CD	11- 20 EDCBABCDEC	21- 30 +++;A+++BC	31- 40 C+++++D+D	41- 50 ++CB+++AA+		<p>STUDENT ID: I AM SAMPLE 2 (910000001)</p> <p>SCORE: 40 RAW SCORE: 20 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 ++CDE+A+CD</td><td>11- 20 EDCBABCAAA</td><td>21- 30 AAAAA+++BC</td></tr> <tr><td>31- 40 C+++++D+D</td><td>41- 50 ++CB+++AA+</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 ++CDE+A+CD	11- 20 EDCBABCAAA	21- 30 AAAAA+++BC	31- 40 C+++++D+D	41- 50 ++CB+++AA+	
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<p>STUDENT ID: DINAH SANTIAGO (967997886)</p> <p>SCORE: 42 RAW SCORE: 21 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 B+CC+D+AB+</td><td>11- 20 ++EBCCDCB</td><td>21- 30 +++A++DEA</td></tr> <tr><td>31- 40 D+DCCBAAC+</td><td>41- 50 +++C+++AA+</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 B+CC+D+AB+	11- 20 ++EBCCDCB	21- 30 +++A++DEA	31- 40 D+DCCBAAC+	41- 50 +++C+++AA+		<p>STUDENT ID: KELLY SMITH (932101234)</p> <p>SCORE: 62 RAW SCORE: 31 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 +AAC++BACD</td><td>11- 20 E++++C+++</td><td>21- 30 +++BCD+BC</td></tr> <tr><td>31- 40 +++++B++CD</td><td>41- 50 ++++++DD+</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 +AAC++BACD	11- 20 E++++C+++	21- 30 +++BCD+BC	31- 40 +++++B++CD	41- 50 ++++++DD+	
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<p>STUDENT ID: SHARON STONE (911122223)</p> <p>SCORE: 42 RAW SCORE: 21 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 +++C++BACD</td><td>11- 20 EDCBAB+BC+</td><td>21- 30 OOB+B+B+AC</td></tr> <tr><td>31- 40 C++AC+++</td><td>41- 50 +++C+DEACD</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 +++C++BACD	11- 20 EDCBAB+BC+	21- 30 OOB+B+B+AC	31- 40 C++AC+++	41- 50 +++C+DEACD		<p>STUDENT ID: FRANCE THOMAS (952101234)</p> <p>SCORE: 56 RAW SCORE: 28 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 +AAC++BACO</td><td>11- 20 O++++C+++</td><td>21- 30 +++BCD+BC</td></tr> <tr><td>31- 40 +++++B++CD</td><td>41- 50 +++++DEACD</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 +AAC++BACO	11- 20 O++++C+++	21- 30 +++BCD+BC	31- 40 +++++B++CD	41- 50 +++++DEACD	
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<p>STUDENT ID: ANTHON VALINTINO (998778656)</p> <p>SCORE: 78 RAW SCORE: 39 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 ++++++BA++</td><td>11- 20 +++++++</td><td>21- 30 +++++++OO</td></tr> <tr><td>31- 40 +++++++E</td><td>41- 50 ++ADDA+C+B</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 ++++++BA++	11- 20 +++++++	21- 30 +++++++OO	31- 40 +++++++E	41- 50 ++ADDA+C+B		<p>STUDENT ID: JOHN WASHINGTON (900004444)</p> <p>SCORE: 48 RAW SCORE: 24 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 +++++++</td><td>11- 20 CBBAE+CDOC</td><td>21- 30 +++AABCDE</td></tr> <tr><td>31- 40 CCBBBC++BB</td><td>41- 50 +++++C++CC</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 +++++++	11- 20 CBBAE+CDOC	21- 30 +++AABCDE	31- 40 CCBBBC++BB	41- 50 +++++C++CC	
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<p>STUDENT ID: DAVID WATERS (967654321)</p> <p>SCORE: 50 RAW SCORE: 25 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 BCC++B+D++</td><td>11- 20 +++++++O</td><td>21- 30 +++A+CB+CB</td></tr> <tr><td>31- 40 DCDACDE+B+</td><td>41- 50 +++DEACDO</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 BCC++B+D++	11- 20 +++++++O	21- 30 +++A+CB+CB	31- 40 DCDACDE+B+	41- 50 +++DEACDO		<p>STUDENT ID: MEGA WATTS (929948234)</p> <p>SCORE: 50 RAW SCORE: 25 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 +AA+BBBACD</td><td>11- 20 E++++C+O</td><td>21- 30 O++BCD+BC</td></tr> <tr><td>31- 40 +++++B++BB</td><td>41- 50 +++++DEACD</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 +AA+BBBACD	11- 20 E++++C+O	21- 30 O++BCD+BC	31- 40 +++++B++BB	41- 50 +++++DEACD	
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<p>STUDENT ID: CLAUDI WILSON (963548234)</p> <p>SCORE: 56 RAW SCORE: 28 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 +AAC++BACD</td><td>11- 20 E++++C+++</td><td>21- 30 +++BCD+BC</td></tr> <tr><td>31- 40 +++++B++CD</td><td>41- 50 +++++DEACD</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 +AAC++BACD	11- 20 E++++C+++	21- 30 +++BCD+BC	31- 40 +++++B++CD	41- 50 +++++DEACD		<p>STUDENT ID: SALLY YOUNG (922222222)</p> <p>SCORE: 58 RAW SCORE: 29 RESPONSES: ROW 1 HAS ITEMS 1-30, ROW 2 HAS 31-60, ETC.</p> <table border="0"> <tr><td>1234567890</td><td>1234567890</td><td>1234567890</td></tr> <tr><td>1- 10 +++C++BACD</td><td>11- 20 EDCBAB+BC+</td><td>21- 30 +C++D++AC</td></tr> <tr><td>31- 40 C++AC+++</td><td>41- 50 +++C+++++</td><td></td></tr> </table>	1234567890	1234567890	1234567890	1- 10 +++C++BACD	11- 20 EDCBAB+BC+	21- 30 +C++D++AC	31- 40 C++AC+++	41- 50 +++C+++++	
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