

APPENDIX F

Results of the Quality Assurance Monitors' Test Session Observations

Preliminary Activities of the Test Administrator

A total of 384 fully or partially completed Classroom Observation Records were received and processed. Two countries completed only section D, the interview with the School Coordinator, and so have no responses to sections A and C. In addition, one classroom observation did not have Section A completed. The number of classroom observation records included in this section is 373.

A.1. In your opinion, prior to the students' arrival, had the Test Administrator verified adequate supplies of the test books?

One classroom observation record did not record a response for this item.

	Pop 1 % of Responses	Pop 2 % of Responses	Pop 3 % of Responses	Combined % of Responses
a. definitely yes	78	74	83	77
b. probably yes	14	20	13	17
c. probably not	1	2	1	2
d. definitely not	6	4	3	4
e. do not know	1	-	-	-
	Total = 81	Total = 222	Total = 69	Total = 372

A.2. Were all the seals INTACT on the test booklets prior to their distribution to the students?

Where seals were used, they were all intact. Two records were not completed, one each for population 1 and 3.

	% of Responses			Total Responses
	Yes	No	Seals were not used	
Pop 1	34	-	66	80
Pop 2	36	-	64	222
Pop 3	30	-	70	69
Combined.....	35	-	65	371

A.4. Does the student identification information on the test booklets and student questionnaires correspond with the *Student Tracking Form*?

Twelve classroom observation records did not have a response checked. Ten of these 12 came from a country which used a different *Student Tracking Form (STF)*.

		% of Responses		Total
		Yes	No	
Pop 1	.....	96	4	79
Pop 2	.....	95	5	217
Pop 3	.....	95	5	65
Combined	.....	96	4	361

A.5. If no, please explain.

Seventeen classroom observation records had comments.

		# of Comments Pop 1	# of Comments Pop 2	# of Comments Pop 3	# of Comments Combined
a.	The STF was not used.....	1	9	1	11
b.	The identification information on the test booklets did not correspond with the student tracking form.....	-	1	-	1
c.	Missing booklets replaced with spares	1	-	-	1
d.	No identification on the questionnaires	-	1	-	1
e.	Students were from different specialties	-	-	1	1
f.	An unexpected student showed up.....	-	1	-	1
g.	Two students were included in the group after the tracking form had been generated.....	-	-	1	1
Total = 2		Total = 12	Total = 3	Total = 17	

A.6. Did the Test Administrator have the correct version of the ADMINISTRATION SCRIPT for the assessment?

There was one Population 3 record sheet which was not checked for this item.

		% of Responses		Total
		Yes	No	
Pop 1	.....	100	-	81
Pop 2	.....	99	1	222
Pop 3	.....	100	-	69
Combined	.....	99	1	372

A.7. In your opinion, had the Test Administrator familiarized himself or herself with the SCRIPT prior to the testing?

There was one Population 3 record sheet which was not checked for this item.

		% of Responses			
		Pop 1	Pop 2	Pop 3	Combined
a.	definitely yes	70	73	80	74
b.	probably yes	23	18	13	19
c.	probably not	6	4	6	5
d.	definitely not	-	5	1	3
e.	do not know	-	-	-	-
Total=81		Total=222	Total=69	Total=372	

A.8. In your opinion, was there adequate seating space for the students to work without distractions?

Two classroom observation records, both from the same Population 3 country, did not have a check for a response category.

		% of Responses		Total
		Yes	No	
Pop 1	.....	93	7	81
Pop 2	.....	91	9	222
Pop 3	.....	99	1	68
Combined	.....	93	7	371

A.9. If no, please explain.

A total of 24 comments were recorded on the classroom observation records.

	# of Comments Pop 1	# of Comments Pop 2	# of Comments Pop 3	# of Comments Combined
a. Students were closer than desired..	-	11	-	11
b. Students were grouped.....	4	5	-	9
c. The classrooms were small.....	2	2	-	4
	Total=6	Total=18	Total=0	Total=24

A.10. In your opinion, was there adequate room for the Test Administrator to move about during the testing to ensure that students were following directions correctly?

	% of Responses		Total
	Yes	No	
Pop 1	98	2	81
Pop 2	96	4	222
Pop 3	100	-	69
Combined.....	97	3	372

A.11. If no, please explain.

A total of 10 comments were recorded on the classroom observation forms.

	# of Comments Pop 1	# of Comments Pop 2	# of Comments Pop 3	# of Comments Combined
a. There was not enough space to walk around.....	1	7	-	8
b. Too many students.....	-	1	-	1
c. Yes, between files of two students.....	-	1	-	1
	Total = 1	Total = 9	Total = 0	Total = 10

A.12. Did the Test Administrator have a stop watch or timer for accurately timing the testing session(s)?

Four classroom observation records did not have a category checked. In some reports, the classroom observer indicated that an alternative timing device, for example a watch, was used by the test administrator. The classroom observer checked the "no" response category.

		% of Responses		Total
		Yes	No	
Pop 1	.....	88	12	81
Pop 2	.....	91	9	221
Pop 3	.....	90	10	67
Combined	.....	90	10	369

A.13. Did the Test Administrator have an adequate supply of pencils and other necessary materials ready for the students?

Three classroom observation records did not have a response category checked.

		% of Responses		Total
		Yes	No	
Pop 1	.....	86	14	81
Pop 2	.....	73	27	222
Pop 3	.....	75	25	67
Combined	.....	77	23	370

A.14. Was there a wall clock visible for the students to check their timing during the testing?

Three classroom observation records did not have a response category checked.

		% of Responses		Total
		Yes	No	
Pop 1	.....	36	64	81
Pop 2	.....	20	80	220
Pop 3	.....	36	64	69
Combined	.....	26	74	370

Test Session Activities

There were 373 Classroom Observation Records with at least some responses for section B.

- B.1. The Test Administrator should begin the session by reading aloud the sections of the ADMINISTRATOR’S SCRIPT entitled “Prepare the Students for the Test, Distribute Materials, and Begin Testing” through the instruction to “Start Working”. Record the time elapsed for the Test Administrator to read these sections.**

Nine classroom observation records did not have a response category checked.

	% of Responses Pop 1	% of Responses Pop 2	% of Responses Pop 3	% of Responses Combined
Fewer than 5 minutes.....	3	4	14	6
5 to 9 minutes.....	19	33	45	32
10 to 14 minutes.....	51	39	26	39
15 to 19 minutes.....	23	16	9	16
20 to 24 minutes.....	4	5	5	5
25 or more minutes.....	-	3	1	2
Range	1 to 20	2 to 32	3 to 90	1 to 90
	Total = 79	Total = 218	Total = 67	Total =364

B.2. Did the Test Administrator follow the ADMINISTRATOR'S SCRIPT exactly in each of the following sections?

Four classroom observation records did not check a response.

		% of Responses			Total
		Yes, No Changes	No, Minor Changes	No, Major Changes	
a. Prepare the Students					
Pop 1	.....	73	20	8	80
Pop 2	.....	61	34	5	220
Pop 3	.....	65	33	1	69
Combined	.....	64	31	5	369

Nine classroom observation records did not record a response.

		% of Responses			Total
		Yes, No Changes	No, Minor Changes	No, Major Changes	
b. Distribute the Materials					
Pop 1	.....	87	10	3	77
Pop 2	.....	83	14	3	219
Pop 3	.....	79	19	1	67
Combined	.....	83	14	3	363

Seven classroom observation records did not record a response.

		% of Responses			Total
		Yes, No Changes	No, Minor Changes	No, Major Changes	
c. Begin Testing					
Pop 1	.....	85	11	4	79
Pop 2	.....	81	15	4	219
Pop 3	.....	79	19	1	68
Combined	.....	82	15	3	366

B.3. If the Test Administrator made changes to the SCRIPT, how would you describe them?

In many cases, the Test Administrator adapted the narrative to suit the students. In all cases, the quality control monitors did not record changes which would have a detrimental effect on the test results.

a. Additions

	% of Responses		Total
	Yes	No	
Pop 1	68	32	22
Pop 2	73	28	80
Pop 3	59	41	27
Combined.....	69	31	129

b. Revisions

	% of Responses		Total
	Yes	No	
Pop 1	55	45	22
Pop 2	52	48	79
Pop 3	52	48	27
Combined.....	52	48	128

c. Deletions

	% of Responses		Total
	Yes	No	
Pop 1	45	55	20
Pop 2	52	48	67
Pop 3	57	43	28
Combined.....	52	48	115

B.4. Did the Test Administrator distribute test books one-at-a-time to each student?

There were four classroom observation records which did not record a response to this category. A total of 12 records indicated that the test books were not distributed one at a time.

		% of Responses		Total
		Yes	No	
Pop 1	.....	100	-	80
Pop 2	.....	99	1	220
Pop 3	.....	86	14	69
Combined	.....	97	3	369

B.5. If no, please explain.

Only 10 of the expected 12 classroom observation records gave a reason for the deviation from the prescribed distribution practice.

		# of Comments Pop 1	# of Comments Pop 3	# of Comments Pop 3	# of Comments Combined
a.	Booklets were placed on desks prior to student arrival.....	-	1	7	8
b.	Student picked up their test booklets from the TA's desk.....	-	1	1	2
Total = 0		Total = 2	Total = 8	Total = 10	

B.6. Did the Test Administrator distribute the test books according to the booklet assignments on the Student Tracking Form?

There were three classroom observation records which did not record a response. A total of 27 records showed a deviation from the prescribed procedure.

		% of Responses		Total
		Yes	No	
Pop 1	.....	89	11	81
Pop 2	.....	93	7	222
Pop 3	.....	97	3	67
Combined	.....	93	7	370

B.7. If no, please explain.

Only 21 of the 27 classroom observation records indicated a reason for the deviation from the prescribed procedure.

	# of Comments Pop 1	# of Comments Pop 2	# of Comments Combined
a. Tracking form was not available or completed after the booklets were passed out.....	6	12	18
b. Unexpected students showed up.....	1	-	1
c. Absent student's booklet used for unexpected student	-	1	1
d. One student received a booklet with a different number from the student tracking form	-	1	1
	Total=7	Total=14	Total=21

B.8. Did the Test Administrator record attendance correctly on the Student Tracking Form?

Seven classroom observation records did not record a response for this question. A total of 9 records indicated that attendance was recorded incorrectly.

	% of Responses		Total
	Yes	No	
Pop 1	98	2	81
Pop 2	98	2	217
Pop 3	97	3	68
Combined.....	98	2	366

B.9. Length of SESSION 1.

Nine observation records did not indicate the length of session 1.

	% of Responses Pop 1	% of Responses Pop 2	% of Responses Pop 3
Fewer than 30 minutes.....	1	1	2
30 to 34 minutes.....	3	1	6
35 to 39 minutes.....	86	3	-
40 to 44 minutes.....	5	8	-
45 to 49 minutes.....	4	85	-
50 to 79 minutes.....	1	2	-
80 to 84 minutes.....	-	-	6
85 to 89 minutes.....	-	-	2
90 to 95 minutes.....	-	-	84
100 minutes or more.....	-	-	3
Range	29 to 60	6 to 74	24 to 136
	Total = 80	Total = 217	Total = 67

B.10. For the population being tested, did the total testing time for SESSION 1 equal the time allowed?

Nine classroom observation records did not record a response for this category. Four of these nine were from one country.

	% of Responses		Total
	Yes	No	
Pop 1	81	19	78
Pop 2	86	14	119
Pop 3	93	7	67
Combined.....	86	14	264

B.11. If no, please explain.

Of the 51 classroom observation records which showed a deviation from the time prescribed, 47 gave an explanation.

	# of Comments Pop 1	# of Comments Pop 2	# of Comments Pop 3	# of Comments Combined
a. Most students finished early.....	2	11	3	15
b. Less time given for unspecified reason.....	3	6	1	10
c. 1-5 minutes longer.....	5	3	-	9
d. Time kept to 45 min. class period.....	-	7	-	7
e. Time allowed printed on test was 46 min.	3	-	-	3
f.. Mis-timed by TA (29 instead of 37 minutes)	1	-	-	1
g. Students allowed to proceed with part 2 when complete with part 1.....	-	1	-	1
h. Students were given 23 minutes more than the time that should have been allotted.....	1	-	-	1
	Total=15	Total=28	Total=4	Total=47

B.12. Did the Test Administrator announce "you have 10 minutes left" prior to the end of SESSION 1?

Three classroom observation records did not indicate a response for this question.

	% of Responses		Total
	Yes	No	
Pop 1	89	11	80
Pop 2	86	14	221
Pop 3	84	16	69
Combined.....	86	14	370

B.13. Were there any other “time remaining” announcements made during SESSION 1?

Eight classroom observation records did not show a response to this item.

		% of Responses		Total
		Yes	No	
Pop 1	.....	20	80	80
Pop 2	.....	24	76	116
Pop 3	.....	28	72	69
Combined	.....	24	76	365

B.14. If yes, please explain.

Of the 88 classroom observation records which indicated an additional announcement, 79 offered a description of the announcement.

		# of Comments Pop 1	# of Comments Pop 2	# of Comments Pop 3	# of Comments Combined
a.	An additional announcement was made	11	33	8	52
b.	2-3 additional announcements were made.....	2	12	6	20
c.	Time given in response to student questions.....	1	3	2	6
d.	Time was marked on a blackboard....	-	-	1	1
Total=		14	48	17	79

B.15. When the Test Administrator ended SESSION 1, how well did the students comply with the instruction to “Stop work”?

Nine classroom observation records did not show a response to this item. Of these 9, 4 were from one country.

		% of Responses Pop 1	% of Responses Pop 2	% of Responses Pop 3
a.	very well, all students stopped work	80	74	77
b.	well, almost all students stopped work	17	22	22
c.	fairly well, some students did not stop.....	3	2	-
d.	not well at all, many students did not stop.....	-	2	1
Total =		81	215	68

B.16. At the end of SESSION 1, did the Test Administrator collect the test books one-at-a-time from each student?

There were a total of 6 classroom observation records which did not indicate a response.

		% of Responses		Total
		Yes	No	
Pop 1	.....	51	49	80
Pop 2	.....	41	59	221
Pop 3	.....	82	18	76
Combined	.....	51	49	367

B.17. If no, please explain.

While 180 classroom observation records indicated that test booklets were not collected in the prescribed manner, only 145 explanations were given. In some reports, mention was made of the use of envelopes. In these cases, students placed the test booklets back into the envelopes before the break.

		# of Comments Pop 1	# of Comments Pop 2	# of Comments Pop 3	# of Comments Combined
a.	Test books were collected as students finished.....	-	1	-	1
b.	Booklets were not collected because of shortened or eliminated break.....	5	24	-	29
c.	Test books remained on students desks for duration of the break.....	29	77	6	112
d.	Booklets were passed forward.....	-	1	-	1
e.	Miscellaneous.....	-	-	2	2
Total=		33	98	8	145

B.18. Length of the BREAK.

There were 303 classroom observation records for populations 1 and 2. A total of 35 forms did not record a response to this item.

	% of Responses Pop 1	% of Responses Pop 2	% of Responses Combined
No time specified	5	9	8
9 or fewer minutes.....	18	17	17
10 to 14 minutes.....	23	29	27
15 to 19 minutes.....	8	18	15
20 to 25 minutes.....	29	18	21
25 to 29 minutes.....	7	3	5
30 or more minutes.....	10	5	7
Range	0 to 43	0 to 39	0 to 43
	Total = 77	Total = 191	Total = 268

B.19. Was the total time for the BREAK between SESSION 1 and SESSION 2 equal to 20 minutes?

	% of Responses		Total
	Yes	No	
Pop 1	28	72	79
Pop 2	16	84	203
Combined.....	19	81	282

B.20. Was the BREAK conducted as directed in the SCRIPT?

A little over half of the breaks were conducted according to the script. Twenty one classroom observation records did not indicate a response to this item.

	% of Responses Pop 1	% of Responses Pop 2	% of Responses Combined
a. exactly as directed	63	53	56
b. nearly the same as directed	27	28	28
c. somewhat differently	9	14	12
d. not well at all, many students did not stop	1	4	4
	Total = 81	Total = 201	Total = 282

B.21. If not “exactly as directed,” please explain.

Where the break was not “exactly as directed”, some test administrators explained the disparity as following the school routine or by pointing out that the directions could reasonably be interpreted as guidelines. Many classroom observers simply noted whether or nor the break was according to the script or did not offer an explanation. Of the 124 classrooms which did not follow the script exactly, there were 103 comments offered.

	# of Comments Pop 1	# of Comments Pop 2	# of Comments Combined
a. The script was not consulted when the break was conducted.....	-	2	2
b. The break time was longer than specified in the script.....	6	15	21
c. The break time was shorter than the script specified.....	9	26	34
d. No break was conducted.....	7	31	38
e. Potential for security problems during the break.....	1	-	1
f. Unspecified time difference.....	2	4	6
	Total=25	Total=78	Total=103

B.22. Record the restart time for the Test Administrator to begin SESSION 2 once all the students have returned from the BREAK. This time period begins when the Test Administrator is ready to distribute the test books for SESSION 2 and reads the instructions through to the instruction to “Start Working”.

Restart time:	% of Responses Pop 1	% of Responses Pop 2	% of Responses Combined
No time specified	5	11	9
4 or fewer minutes.....	45	57	54
5 to 9 minutes.....	43	28	32
10 to 14 minutes.....	3	2	2
15 to 19 minutes.....	1	-	1
20 to 24 minutes.....	-	-	-
25 or more minutes.....	3	2	2
Range	1 to 32	1 to 60	1 to 60
	Total = 77	Total = 203	Total = 280

B.23. Was the time spent to restart the testing with SESSION 2, 5 minutes?

		% of Responses		
		Yes	No	Total
Pop 1	.....	44	56	80
Pop 2	.....	34	66	211
Combined	.....	37	63	291

B.24. If no, please explain.

Most of the classroom observation records comment on the time span, rather than offering an explanation. In cases where an explanation is give, the comments include “children had no questions”, “ students were told to start work again” and “students embarked immediately on the second part of the test”.

		# of Comments Pop 1	# of Comments Pop 2	# of Comments Combined
a.	Less time was required to restart testing than specified in the script..	10	16	26
b.	More time was required to restart testing than specified in the script	6	10	16
c.	Restart time was not needed	5	30	35
d.	Some clarification for a late student took longer made the restart take longer than the specified time	1	-	1
e.	Comment suggests that restart time fell in specified range	9	47	56
		Total=31	Total=103	Total=134

B.25. Length of SESSION 2.

	% of Responses Pop 1	% of Responses Pop 2	% of Responses Combined
Fewer than 20 minutes.....	1	-	-
20 to 29 minutes.....	85	1	24
30 to 39 minutes.....	6	8	8
40 to 49 minutes.....	4	89	66
50 to 59 minutes.....	1	1	1
60 or more minutes.....	3	1	1
Range	19 to 80	29 to 106	19 to 106
	Total = 80	Total = 214	Total = 294

B.26. Was the total time for testing in SESSION 2 correct as indicated in the ADMINISTRATORS' SCRIPT?

	% of Responses		Total
	Yes	No	
Pop 1	75	25	80
Pop 2	81	19	217
Combined.....	79	21	297

B.27. If no, please explain.

Classroom observers tended to focus upon the time span rather than recording explanations for the disparity.

	# of Comments Pop 1	# of Comments Pop 2	# of Comments Combined
a. Less time was required for testing in session 2 than given.....	10	22	21
b. The test was mistimed by the TA	1	-	1
c. 1-5 minutes longer was given than allowed for	5	11	16
d. Testing time was shorter than specified time for an unspecified reason.....	1	-	1
e. A slow student was given additional time	2	-	2
f. Unspecified additional time	1	-	1
	Total=20	Total=32	Total=52

B.28. Did the Test Administrator announce "you have 10 minutes left" prior to the end of SESSION 2?

		% of Responses		Total
		Yes	No	
Pop 1	.....	80	20	81
Pop 2	.....	81	19	218
Combined	.....	81	19	299

B.29. Were there any other "time remaining" announcements made during SESSION 2?

		% of Responses		Total
		Yes	No	
Pop 1	.....	16	84	80
Pop 2	.....	21	79	215
Combined	.....	20	80	295

B.30. If yes, please explain.

Frequently the test administrator made several announcements. In some cases the announcement was seen as redundant since most students had already finished.

		# of Comments Pop 1	# of Comments Pop 2	# of Comments Combined
a.	An additional announcement was made.....	7	31	38
b.	More than one additional announcements were made.....	3	8	11
e.	Announcement made about break and SQ.....	-	3	3
d.	TA responded to students questions.....	-	2	2
c.	Time was written on the black board.....	-	1	1
		Total=10	Total=45	Total=55

B.31. When the Test Administrator ended SESSION 2, how well did the students comply with the instruction to “Stop Work”?

	% of Responses Pop 1	% of Responses Pop 2
a. very well, all students stopped work	84	80
b. well, almost all students stopped work	16	16
c. fairly well, some students did not stop.....	-	3
d. not well at all, many students did not stop	-	-
	Total = 79	Total = 213

B.32. At the end of SESSION 2, did the Test Administrator collect the test books one-at-a-time from each student?

	% of Responses		Total
	Yes	No	
Pop 1	89	11	80
Pop 2	78	22	218
Combined.....	81	19	298

B.33. If no, please explain.

Classroom observers frequently reported that the booklets were left on the desk to be collected after the students had left the room. Explanations included “ the administrator stayed in the room after students had left”, “ the administrator locked the room” or “ there was no break”.

	# of Comments Pop 1	# of Comments Pop 2	# of Comments Combined
a. Test Booklets were left on students desks	7	25	32
b. Booklets were not collected. TA went directly on to the student questionnaire	1	2	3
c. Test Booklets were passed to the front of the room	-	3	3
	Total=8	Total=30	Total=38

B.34. When the Test Administrator read the SCRIPT for the end of the testing SESSION 2, did the Test Administrator announce a BREAK to be followed by the Student Questionnaire?

	% of Responses		Total
	Yes	No	
Pop 1	71	29	79
Pop 2	65	35	188
Combined.....	67	33	267

B.35. If no, please explain.

Classroom observers recorded a range of explanations for deviations from the script. These included that the manual did not recommend a break, there was no script in the version being used, or the test administrator offered a more concise interpretation of the script.

	# of Comments Pop 1	# of Comments Pop 2	# of Comments Combined
a. No break was provided	6	27	33
b. The student questionnaire was administered at a different time	5	22	27
c. Manual not used.....	-	7	7
d. Questionnaires distributed before the test began.....	4	-	4
e. Questionnaire was not announced.....	-	3	3
f. Questionnaire not administered.....	1	-	1
	Total=16	Total=59	Total=75

B.36. How accurately did the Test Administrator read the SCRIPT to end the testing and signal a BREAK?

	% of Responses Pop 1	% of Responses Pop 2	% of Responses Combined
a. verbatim: no changes	64	63	63
b. some minor changes	25	27	26
c. major changes.....	12	11	11
	Total = 69	Total = 160	Total = 229

B.37. If the Test Administrator made changes to the SCRIPT, how would you describe them?

	% of Responses		Total
	Yes	No	
a. additions			
Pop 1.	30	70	30
Pop 2.	31	69	47
Combined	30	70	77

	% of Responses		Total
	Yes	No	
b. some minor changes			
Pop 1.	41	59	32
Pop 2.	56	44	55
Combined	51	49	87

	% of Responses		Total
	Yes	No	
c. omissions			
Pop 1.	35	65	34
Pop 2.	46	54	57
Combined	42	58	91

B.38. Please record how long the BREAK was between the end of the testing sessions and the distribution of the Student Questionnaire.

	% of Responses Pop 1	% of Responses Pop 2
No time specified	3	5
Less than 10 minutes.....	26	33
10 to 19 minutes.....	32	42
20 to 29 minutes.....	31	14
30 to 39 minutes.....	3	3
40 or more minutes.....	5	2
Range	1 to 73	1 to 155
	Total = 62	Total = 154

B.39. How did the actual BREAK time compare to the recommended time in the SCRIPT?

	% of Responses Pop 1	% of Responses Pop 2
a. exactly the same	48	51
b. it was longer	30	22
c. it was shorter	21	27
	Total = 56	Total = 141

B.40. If not “exactly the same,” how much longer or shorter?

	% of Responses Pop 1	% of Responses Pop 2
No time specified	4	-
1 to 9 minutes shorter.....	4	5
Fewer than 5 minutes longer.....	42	39
5 to 9 minutes longer.....	33	30
10 to 19 minutes longer.....	8	23
20 or more minutes longer.....	9	3
Range	-9 to 30	-2 to 100
	Total = 24	Total = 61

B.41. Was the BREAK conducted as directed in the SCRIPT?

	% of Responses Pop 1	% of Responses Pop 2
a. exactly as directed	78	65
b. nearly the same as directed	12	15
c. somewhat differently	5	9
d. very differently	5	11
	Total = 58	Total = 149

B.42. If not “exactly as directed,” please explain.

In several classroom observation records it was mentioned that there was no directions in the script or that the test administrators adapted the script according to directions given by the NRC or external agency, or students did not leave the classroom.

	# of Comments Pop 1	# of Comments Pop 2	# of Comments Combined
a. No break was conducted	2	4	6
b. The student questionnaire was administered in a different classroom	-	1	1
c. The length of the break was shortened	-	12	12
d. The length of the break was increased	5	5	10
e. Students remained at their seat for the duration of the break	-	7	7
f. The student questionnaire was completed on a different day	1	9	10
g. No directions about the break were specified in the TA manual	1	4	5
h. Unspecified difference	-	2	2
	Total=9	Total=44	Total=53

B.43. At the end of the BREAK, did the Test Administrator distribute the Student Questionnaires and give directions as specified in the SCRIPT?

	% of Responses		Total
	Yes	No	
Pop 1	73	27	60
Pop 2	65	35	168
Combined	67	33	228

B.44. If no, please explain.

	# of Comments Pop 1	# of Comments Pop 2	# of Comments Combined
a. Student questionnaires were included within the test booklet.....	5	7	12
b. Student questionnaires were scheduled to be completed at another time	5	9	14
c. Questionnaires were distributed prior to student's arrival.....	3	13	16
d. TA distributed questionnaires and instructions to each student individually.....	1	1	2
e. Some omissions were made when the instructions were read.....	-	1	1
f. "Names were indicated on the booklet	-	1	1
g. No break.....	-	2	2
h. No directions were addressed to the entire group.....	-	1	1
i. TA went very quickly through the instructions.....	-	1	1
j. Almost exactly.....	2	3	5
	Total=16	Total=39	Total=55

B.45. Length of time for administration of the Student Questionnaire

	% of Responses Pop 1	% of Responses Pop 2
19 or fewer minutes.....	3	8
20 to 29 minutes.....	39	30
30 to 39 minutes.....	32	38
40 to 49 minutes.....	16	18
50 to 59 minutes.....	7	3
60 or more minutes.....	3	3
Range	2 to 62	2 to 95
	Total = 57	Total = 154

B.46. How does the total time allocated for the administration of the Student Questionnaire compare to the time specified in the SCRIPT?

	% of Responses Pop 1	% of Responses Pop 2
a. exactly the same	35	39
b. it was longer	63	59
c. it was shorter.....	2	3
	Total = 57	Total = 157

B.47. If not “exactly the same,” how much longer or shorter?

	% of Responses Pop 1	% of Responses Pop 2
10 or more minutes shorter.....	-	1
9 or fewer minutes shorter.....	-	2
9 or fewer minutes longer.....	31	33
10 to 19 minutes longer.....	36	39
20 to 29 minutes longer.....	30	19
30 or more minutes longer.....	3	6
Range	1 to 30	-10 to 45
	Total = 178	Total = 93

B.48. Did the students ask for additional time to complete the questionnaire?

	% of Responses		Total
	Yes	No	
Pop 1	61	39	59
Pop 2	57	43	160
Combined.....	58	42	219

B.49. How much additional time was given to complete the Student Questionnaire?

	% of Responses Pop 1	% of Responses Pop 2
Fewer than 5 minutes.....	6	7
5 to 9 minutes.....	19	28
10 to 14 minutes.....	19	33
15 to 19 minutes.....	17	11
20 to 24 minutes.....	28	17
25 or more minutes.....	11	4
Range	2 to 30	2 to 45
	Total = 36	Total = 90

B.50. At the end of the session, prior to dismissing the students, did the Test Administrator thank the students for participating in the study?

		% of Responses		
		Yes	No	Total
Pop 1	.....	76	24	63
Pop 2	.....	81	19	178
Combined	.....	80	20	241

B.51. In your opinion, how orderly was the dismissal of the students?

Twenty classroom observation records for population 1 and a total of 52 for population 2 did not record a response for this item..

		% of Responses Pop 1	% of Responses Pop 2
a.	very orderly	74	58
b.	somewhat orderly	20	36
c.	not orderly at all	6	6
Total =		65	176

B.69. When the Test Administrator read the SCRIPT to end the 90 minute testing session, did the Test Administrator announce a BREAK?

There were 9 classroom observation records which did not indicate a response to this item.

		% of Responses		
		Yes	No	Total
		64	36	56

B.70. If no, please explain.

Of the 22 classroom observation records which indicated that the break was not announced, 12 provided an explanation.

		# of Comments Pop 3
a.	No break was given.....	9
b.	Questionnaire had been scheduled for another time; therefore no break was necessary.....	2
c.	Most students had already taken a break as they finished the test early.....	1
Total=		12

B.71. How accurately did the Test Administrator read the SCRIPT to end the testing and signal a BREAK?

		% of Responses
a.	verbatim: no changes	52
b.	some minor changes	39
c.	major changes.....	9
		Total = 56

B.72. If there were changes, how would you describe them?

Several classroom observation records indicated that test administrators made multiple changes.

		% of Responses		Total
		Yes	No	
a.	additions	14	86	14
b.	some minor changes	63	37	19
c.	deletions	50	50	18

B.73. Please record how long the BREAK was between the end of the testing sessions and the distribution of the Student Questionnaire.

		% of Responses Pop 3
	Fewer than 10 minutes.....	51
	10 to 14 minutes.....	13
	15 to 19 minutes.....	16
	20 to 24 minutes.....	10
	25 or more minutes.....	10
	Range	1 to 30
		Total = 31

B.74. How did the actual BREAK time compare to the recommended time in the SCRIPT?

		% of Responses
a.	exactly the same	58
b.	it was longer	9
c.	it was shorter	33
		Total = 41

B.75 If not “exactly the same,” how much longer or shorter?

	% of Responses
No time specified	8
21 to 30 minutes shorter.....	8
11 to 20 minutes shorter.....	15
1 to 10 minutes shorter.....	39
1 to 10 minutes longer.....	23
50 minutes longer.....	8
Range	-30 to 50
	Total = 33

B.76. Was the BREAK conducted as directed in the SCRIPT?

	% of Responses
a. exactly as directed	66
b. nearly the same as directed	11
c. somewhat differently	2
d. very differently	20
	Total = 44

B.77. If not “exactly as directed,” please explain.

	# of Comments Pop 3
a. No break was given.....	9
b. No directions in the script concerning break time -	1
	Total=10

B.78. At the end of the BREAK, did the Test Administrator distribute the Student Questionnaires and give directions as specified in the SCRIPT?

Fifteen classroom observation reports did not record a response for this item.

% of Responses		Total
Yes	No	
71	29	55

B.79. If no, please explain.

There were 16 classroom observation records which indicated that there was a deviation from the script.

		Number of Comments
a.	Administration of student questionnaire was scheduled for another time.....	2
b.	Students had been given the questionnaire at the same time as the test.....	14
c.	"No break was given".....	1
d.	The questionnaire was distributed but the directions specified in the script, were not given.....	1
e.	Affirmative explanation.....	1
f.	The teacher answered many questions.....	1
g.	The student questionnaire was sent home.....	1
		Total = 21

B.80. Length of time for administration of the Student Questionnaire

	% of Responses
10 to 14 minutes.....	2
15 to 19 minutes.....	17
20 to 24 minutes.....	13
25 to 29 minutes.....	26
30 to 34 minutes.....	32
35 to 39 minutes.....	4
40 or more minutes.....	6
Range	12 to 65
Total = 53	

B.81. How does the total time allocated for the administration of the Student Questionnaire compare to the time specified in the SCRIPT?

		% of Responses
a.	exactly the same	34
b.	it was longer	26
c.	it was shorter	40
		Total = 50

B.82. If not “exactly the same,” how much longer or shorter?

	% of Responses
11 to 15 minutes shorter.....	7
6 to 10 minutes shorter.....	14
1 to 5 minutes shorter.....	38
1 to 5 minutes longer.....	28
6 to 10 minutes longer.....	7
21 to 30 minutes longer.....	3
31 to 35 minute longer.....	7
Range	-14 to 35
	Total = 29

B.83. Did the students ask for additional time to complete the questionnaire?

% of Responses		Total
Yes	No	
23	75	66

B.84. How much additional time was given to complete the Student Questionnaire?

	% of Responses
No time specified	11
1 to 5 minutes.....	67
6 to 10 minutes.....	6
11 to 15 minutes.....	-
16 or more minutes.....	17
Range	1 to 35
	Total = 18

B.85. At the end of the session, prior to dismissing the students, did the Test Administrator thank the students for participating in the study?

Ten classroom observation records did not show a response.

% of Responses		Total
Yes	No	
82	18	60

B.86. In your opinion, how orderly was the dismissal of the students?

There were 9 classroom observation records which did not record a response. Three of these nine represent all the classroom observations from one country, while a further two came from another country.

- a. very orderly
- b. somewhat orderly
- c. not orderly at all

% of Responses	
	75
	20
	5
Total = 61	

Summary Observations

In addition to the two countries did not complete section C of the Classroom Observation Record, three of the Classroom Observation Records that were submitted to the Study Center omitted the summary observations section. The total number of sessions for which summary observations are available is 371.

C.1. To what extent would you describe the students as orderly and cooperative?

Two of the sessions observed provided no response to this question.

	% of Responses Pop 1	% of Responses Pop 2	% of Responses Pop 3	% of Responses Combined
a. extremely orderly and cooperative	80	56	77	65
b. moderately orderly and cooperative	19	36	20	29
c. somewhat orderly and cooperative	1	7	1	5
d. hardly cooperative at all	-	1	1	1
	Total = 80	Total = 220	Total = 69	Total = 369

C.1. Comments:

Only 50 sessions provided comments along with this item.

	# of Comments Pop 1	# of Comments Pop 2	# of Comments Pop 3	# of Comments Combined
a. Positive comment	8	8	7	23
b. Some behavior problems or minor disruptions were noted	5	9	5	19
c. There was some confusion in the beginning with regard to seating and booklets	-	1	1	2
d. Comments not directly related to the question	1	3	2	6
	Total=14	Total=21	Total=15	Total=50

C.2. If the students were not cooperative and orderly, did the Test Administrator make an effort to control the students and the situation?

Students in many sessions were described as orderly and cooperative. Only 110 observation records had responses that indicated that any students were uncooperative.

	% of Responses Pop 1	% of Responses Pop 2	% of Responses Pop 3	% of Responses Combined
a. definitely yes	80	70	64	71
b. some effort was made	19	26	29	25
c. hardly any effort was made	-	4	7	4
	Total = 16	Total = 80	Total = 14	Total =110

C.3. During the testing sessions did the Test Administrator walk around the room to be sure students were working on the correct section of the test and/or behaving properly?

	% of Responses		Total
	Yes	No	
Pop 1	94	6	80
Pop 2	94	6	222
Pop 3	96	4	69
Combined.....	94	6	371

C.4. If no, please explain.

Only 18 of the 21 session answering 'no' to question C3 provided comments.

	# of Comments Pop 1	# of Comments Pop 2	# of Comments Pop 3	# of Comments Combined
a. TA did not walk around.....	1	8	2	11
c. Not enough space to walk around.....	1	2	-	3
d. Not very frequently.....	2	-	-	2
e. TA completed their questionnaire.....	-	2	-	2
	Total=4	Total=12	Total=2	Total=18

C.5. In your opinion, did the Test Administrator address students' questions appropriately?

In approximately 16 sessions, quality control monitors felt that they could not assess the TA's response to student questions because either no questions were asked or the QCM was not in a position to hear how the teacher responded to individual questions. Two observations left the item blank with no further explanation.

		% of Responses		Total
		Yes	No	
Pop 1	.....	96	4	78
Pop 2	.....	96	4	210
Pop 3	.....	100	-	65
Combined	.....	97	3	353

C.6. If no, please explain.

Ten of the 12 observation records responding 'no' provided comments.

		# of Comments Pop 1	# of Comments Pop 2	# of Comments Pop 3	# of Comments Combined
a.	Some questions were answered	2	3	-	5
c.	The QCM felt that the TA was too reluctant to answer student questions	-	3	-	3
d.	The TA was particularly nervous	-	1	-	1
b.	No questions were answered	-	1	-	1
Total=2		Total=8	Total=0	Total=10	

C.7. Did you see any evidence of students attempting to cheat on the tests (e.g., by copying from a neighbor)?

Two observation records had no response for this item. The QCM from one of these indicated that he saw the potential for cheating but did not feel that he actually observed students attempting to cheat.

		% of Responses		Total
		Yes	No	
Pop 1	.....	14	86	79
Pop 2	.....	14	86	221
Pop 3	.....	9	91	69
Combined	.....	13	87	369

C.8. If yes, please explain.

Forty-three of the 48 sessions in which QCMs saw some evidence of cheating provided comments.

	# of Comments Pop 1	# of Comments Pop 2	# of Comments Pop 3	# of Comments Combined
a. Talking and copying was noted	1	15	4	20
b. Some students tried to talk with their neighbors	3	8	-	11
c. Attempts were stopped	4	2	3	9
d. Some students were noticed “glancing” at others papers	1	1	-	2
e. QCM acknowledged that attempts took place but did not specify outcome	-	1	-	1
	Total=9	Total=27	Total=7	Total=43

C.9. Were any defective test books detected and replaced before the testing began?

	% of Responses		Total
	Yes	No	
Pop 1	4	96	80
Pop 2	8	92	222
Pop 3	1	99	69
Combined.....	6	94	371

C.10. Were any defective test books detected and replaced after the testing began?

Three observation records provided no response to this question.

	% of Responses		Total
	Yes	No	
Pop 1	8	92	79
Pop 2	6	94	221
Pop 3	3	97	68
Combined.....	6	94	368

C.11. If any defective test books were replaced, did the Test Administrator replace them appropriately?

		% of Responses		Total
		Yes	No	
Pop 1	.....	100	-	6
Pop 2	.....	74	26	23
Pop 3	.....	100	-	3
Combined	.....	81	19	32

C.12. If no, please explain.

Only six of the 32 classroom observation records in which defective booklets were identified indicated that established procedures were not followed. These 6 provided the following comments.

		# of Comments Pop 2
a.	The problem did not necessitate replacing the book.....	3
b.	No spares to rely on.....	1
c.	Problem discovered at end of session.....	1
d.	Given the booklet of an absent student.....	1
		Total=6

C.13. Were any late students admitted to the testing room?

Five of the observation records had no response for this question.

		% of Responses Pop 1	% of Responses Pop 2	% of Responses Pop 3	% of Responses Combined
a.	no, there were no late students	93	90	74	88
b.	no, they were not admitted	-	2	4	2
c.	yes, but before the testing began	5	4	12	5
d.	yes, after the testing began.....	3	4	10	5
		Total = 80	Total = 218	Total = 68	Total = 366

C.14. Did any students refuse to take the test either prior to the testing or during the testing?

Six observation records had no response checked for this item. Of these, 2 had comments indicating that a student was reluctant to work but was persuaded to try. Two had comments indicating that a number of students did not attend, and 2 were simply left blank.

		% of Responses		Total
		Yes	No	
Pop 1	.....	1	99	78
Pop 2	.....	2	98	220
Pop 3	.....	6	94	67
Combined	.....	3	97	365

C.15. If yes, how many students refused to complete the testing?

Seven of the 10 observation records indicating that students refused to take the test responded to item C15.

	% of Responses Pop 1	% of Responses Pop 2	% of Responses Pop 3	% of Responses Combined
1 to 5 students	100	75	100	86
6 to 10 students	-	-	-	-
11 to 15 students	-	-	-	-
16 to 20 students	-	-	-	-
21 to 25 students	-	25	-	14
Range	1 to 1	1 to 23	1 to 2	1 to 23
	Total = 1	Total = 4	Total = 2	Total = 7

C.16. If a student refused, did the Test Administrator accurately follow the instructions for excusing the student (collect the test book and record the incident on the Student Tracking Form)?

One of the 10 observations in which at least one student refused to take the test left this item blank on the observation record.

		% of Responses		Total
		Yes	No	
Pop 1	.....	100	-	1
Pop 2	.....	40	60	5
Pop 3	.....	67	33	3
Combined	.....	56	44	9

C.16. Comments:

Six of the 10 observations that checked 'yes' to item 14 provided comments.

	# of Comments Pop 1	# of Comments Pop 2	# of Comments Pop 3	# of Comments Combined
a. Reluctant students were given a motivational talk.....	-	2	-	2
b. Student excluded because she was studying courses for the mentally handicapped	1	-	-	1
c. While the students were somewhat fearful, they worked hard	-	1	-	1
d. Two students stopped working without informing the TA	-	1	-	1
e. Student left the administration early	-	-	1	1
	Total=1	Total=4	Total=1	Total=6

C.17. Did any students leave the room for an "emergency" during the testing?

Seven of the 371 classroom observation records for which summary observations were obtained did not respond to this question.

	% of Responses		Total
	Yes	No	
Pop 1	11	89	79
Pop 2	11	89	218
Pop 3	33	67	67
Combined.....	15	85	364

C.18. If yes, did the Test Administrator address the situation appropriately (collect the book, and if re-admitted, return the test book and record time out of the room on the test book)?

Six of those responding 'yes' to question C17 did not provide a response.

	% of Responses		Total
	Yes	No	
Pop 1	75	25	8
Pop 2	62	38	21
Pop 3	45	55	19
Combined.....	57	43	49

C.18. Comments:

Thirty-five of the classroom observation records provided comments with C18. Several of the comments fell into more than one category.

	# of Comments Pop 1	# of Comments Pop 2	# of Comments Pop 3	# of Comments Combined
a. Student left the room for a short period of time	4	5	5	14
b. Booklets left on students desks	4	4	5	13
c. Students left after completing the test	-	3	4	7
d. Time out was not recorded	-	3	2	5
e. Minor emergencies occurred (Nose Bleed, Stomach ache, dental operation)	-	3	-	3
f. Notations were made on the books..	-	-	1	1
g. QCM noted that procedures were not followed but did not feel that this caused a problem	1	-	-	1
	Total=9	Total=18	Total=17	Total=44

C.19. In general, how would you describe the overall quality of the testing session?

Four classroom observations did not have responses for this question.

	% of Responses Pop 1	% of Responses Pop 2	% of Responses Pop 3	% of Responses Combined
a. excellent	58	37	68	47
b. very good	28	41	19	34
c. good	14	14	9	13
d. fair	1	5	4	4
e. poor	-	4	-	2
	Total = 80	Total = 219	Total = 68	Total = 367

C.20. Please feel free to comment on any aspect of the assessment you wish to note.

164 of the test administrators provided comments. These are summarized below:

Subject of Comment	Nature of Comment	Total
Test Administrator	Well organized, prepared, conducted the test according to guidelines, excellent supervision of students.....	38
	Poorly organized, unmotivated and uncooperative, inadequate supervision of students.....	16
Students	Well disciplined, motivated, challenged by the test.....	25
	Anxious, found the test level too high/too difficult.....	2
Test	Excellent, well presented and conducted.....	2
	Time allocated to test inappropriate.....	26
	Students tired at end of sessions.....	6
	Language inappropriate, content mismatch with curriculum.....	17
Test Conditions	Poor	4

Interview With the School Coordinator

All of the 384 Classroom Observation Records returned to the Study Center have collected at least some information for section D.

D.1. Before I leave, I would just like to ask you a few questions about your experiences with the TIMSS testing. Overall, how would you say the session went? Would you say it went very well, satisfactorily, or unsatisfactorily?

Nine Classroom Observation Records have no response for this question.

	% of Responses Pop 1	% of Responses Pop 2	% of Responses Pop 3	% of Responses Combined
a. Very well, no problems	78	64	78	70
b. Satisfactorily, few problems	21	34	19	29
c. Unsatisfactorily, many problems	1	1	3	2
	Total = 85	Total = 221	Total = 69	Total = 375

D.1. Comments

	# of Comments Pop 1	# of Comments Pop 2	# of Comments Pop 3	# of Comments Combined
a. Difficult time of year	4	8	4	16
b. Insufficient administration time.....	1	9	3	13
c. Problems with booklets, questionnaires	3	5	-	8
e. Minor staff problems\concerns	1	5	1	7
d. Generally positive comment	-	6	-	6
f. Student\students did not attend	-	-	4	4
g. Time too generous	1	1	1	3
h. Behavior problems or minor disruptions	1	2	-	3
i. Test was found to be difficult.....	-	1	1	2
j. Not enough chairs, spare rooms available	-	2	-	2
k. School would like to see results	-	1	-	1
l. Performance assessment difficult to arrange	-	1	-	1
m. Some students could not stay because of other commitments	-	-	1	1
	Total=11	Total=42	Total=14	Total=67

D.2. Overall, how would you rate the attitude of the other school staff members towards the TIMSS testing? Would you say that it was positive, neutral, or negative?

Nine observation records did not provide a response to this item.

	% of Responses Pop 1	% of Responses Pop 2	% of Responses Pop 3	% of Responses Combined
a. Positive	67	73	69	71
b. Neutral	25	24	29	25
c. Negative	8	3	1	4
	Total = 85	Total = 222	Total = 68	Total = 375

D.2. Comments

	# of Comments Pop 1	# of Comments Pop 2	# of Comments Pop 3	# of Comments Combined
a. Generally positive comment	5	24	12	41
b. Difficult time of year	2	8	5	15
c. Negative attitude displayed by some staff	3	5	5	13
d. Time consuming\lots of work	2	7	-	9
e. Most staff had little or no information about the testing.....	-	1	2	6
f. Some neutral	1	3	-	4
g. Concerned about test results	2	1	1	4
h. Test questions were difficult	2	1	-	3
i. Want feedback	-	3	-	3
j. Problems with questionnaires	1	1	-	3
k. Miscellaneous	1	5	1	7
	Total=19	Total=60	Total=29	Total=108

D.3. Prior to the test day did you have time to check your shipment of materials from your TIMSS National Coordinator?

Fourteen of the classroom observation records did not provide a response for this item.

	% of Responses		Total
	Yes	No	
Pop 1	88	12	84
Pop 2	86	14	219
Pop 3	91	9	67
Combined.....	87	13	370

D.4. If yes, how long before the test date?

	% of Responses Pop 1	% of Responses Pop 2	% of Responses Pop 3	% of Responses Combined
No time specified	7	15	20	14
1 day	12	25	7	19
2 to 5 days	18	22	15	20
6 to 10 days	31	15	31	22
11 to 15 days	22	14	15	17
16 to 20 days	-	1	5	1
21 or more days	11	7	8	8
Range	1 to 30	1 to 75	1 to 21	1 to 75
	Total = 74	Total = 188	Total = 61	Total = 323

D.5. Did you receive the correct shipment of the following items?

A large number of QCMs did not check one or more of the provided responses for this item.

	% of Responses		Total
	Yes	No	
a. Test booklets	99	1	368
b. Test Administrator Manual	100	-	359
c. School Coordinator Manual	98	2	324
d. Student Tracking Forms	93	7	365
e. Student Questionnaires	98	2	368
f. Teacher Questionnaires	91	9	335
g. School Questionnaire	99	1	368
h. Test Administration Form	92	8	350
i. Teacher Tracking Form	70	30	310
j. Student-Teacher Linkage Form (if applicable).....	26	74	197
k. Envelopes or boxes addressed to the national center for the purpose of returning the materials after the assessment	71	29	340

D.6. Was the National Coordinator responsive to your questions or concerns?

This item was left blank on 53 of the observation records. Several of the QCMs who left this item blank indicated that the School Coordinator had had not required contact with the National Coordinator.

	% of Responses		Total
	Yes	No	
Pop 1	96	4	69
Pop 2	94	6	198
Pop 3	89	11	64
Combined.....	93	7	331

D.6. Comments:

	# of Comments Pop 1	# of Comments Pop 2	# of Comments Pop 3	# of Comments Combined
a. Did not have any questions or concerns	11	21	6	38
b. Generally positive comment	11	18	9	38
c. Very little contact	2	6	-	8
d. Training very short	1	2	-	3
e. Contact was with regional coordinator	-	1	2	3
f. The coordinator received previous training	-	3	-	3
g. The National Coordinator delegated the responsibilities to other staff members	-	3	-	3
h. Miscellaneous.....	1	1	2	4
	Total=26	Total=55	Total=19	Total=100

D.7. Were you able to collect completed Teacher Questionnaires prior to the test administration?

Sixty classroom observation records provided no response for this question.

	% of Responses		Total
	Yes	No	
Pop 1	42	58	78
Pop 2	42	58	218
Pop 3	14	86	29
Combined.....	40	60	325

D.7. Comments:

	# of Comments Pop 1	# of Comments Pop 2	# of Comments Pop 3	# of Comments Combined
a. Not complete/collected at time of interview	13	41	3	57
b. Questionnaires have been collected	3	28	1	32
c. Some collected at the time of the interview	4	11	-	15
d. Teachers disliked doing or had problems with the questionnaire	3	10	-	13
e. Not done in this school	-	1	5	6
f. Given out after testing	-	2	-	2
	Total=23	Total=97	Total=9	Total=129

D.8. It was expected that the Teacher Questionnaires would require about 60 minutes to complete. In your opinion, was that estimate correct?

	% of Responses Pop 1	% of Responses Pop 2	% of Responses Pop 3	% of Responses Combined
a. yes	52	31	42	36
b. no, it took longer	46	65	50	60
c. no, it took less time	2	4	8	4
	Total = 56	Total = 185	Total = 12	Total = 253

D.9. How much longer or shorter?

	% of Responses Pop 1	% of Responses Pop 2	% of Responses Pop 3	% of Responses Combined
30 or more minutes shorter	-	2	14	2
15 to 29 minutes shorter	4	3	-	3
1 to 14 minutes shorter	-	-	-	-
1 to 14 minutes longer	16	9	-	10
15 to 29 minutes longer	16	11	-	11
30 to 44 minutes longer	20	33	57	32
45 to 59 minutes longer	-	3	14	3
60 or more minutes longer.	44	40	14	40
Range	-20 to 90	-50 to 120	-30 to 60	-50 to 120
	Total = 25	Total = 114	Total = 7	Total = 146

D.10. Where were the testing materials stored prior to the test administration?

		# of Responses
a.	Office of the principal or assistant principal.....	88
b.	An off site location.....	72
c.	Locked filing cabinet; locked cupboard or vault.....	40
d.	Administration office/storage room.....	36
e.	Teacher's office.....	27
f.	Office of the school coordinator/department head	21
g.	In the classroom.....	8
h.	Conference room.....	8
i.	"not applied"	9
		Total = 309

D.11. Were you satisfied with the accommodations (testing room) you were able to arrange for the testing?

Four of the classroom observation records provided no response to this item.

		% of Responses		Total
		Yes	No	
Pop 1	.....	100	-	86
Pop 2	.....	94	6	224
Pop 3	.....	99	1	70
Combined.....	.....	96	4	380

D.12. Do you anticipate that make-up sessions will be required at your school?

Responses on for this item were omitted on thirteen of the observation records.

		% of Responses		Total
		Yes	No	
Pop 1	.....	12	88	84
Pop 2	.....	11	89	220
Pop 3	.....	36	64	67
Combined.....	.....	16	84	371

D.13. If yes, do you intend to conduct one?

		% of Responses		
		Yes	No	Total
Pop 1	.....	89	11	9
Pop 2	.....	96	4	24
Pop 3	.....	90	10	20
Combined	.....	93	7	53

D.14. Please comment on the selection and training of your Test Administrators. Did it work well? Was the *Test Administrator Manual* useful for training purposes? Were you given time by the Principal to do the training, etc.?

		# of Comments Pop 1	# of Comments Pop 2	# of Comments Pop 3	# of Comments Combined
a.	Generally positive comment	38	91	23	152
b.	No training provided	10	38	7	55
c.	Training very short	4	16	5	25
d.	Straight forward	8	1	2	11
e.	Trained elsewhere	1	5	5	11
f.	The TA manual was useful/clear.....	-	13	1	14
g.	Would be better to have training in simulated sessions	-	8	-	8
h.	School Coordinator and TA worked together	-	6	1	7
i.	Useful/necessary	1	4	1	6
j.	Manual could be improved	-	2	1	3
k.	Miscellaneous	1	3	2	6
Total=63		Total=187	Total=48	Total=298	

D.15. Please comment on the sampling procedures used to select the students in your school (clarity of instructions, difficulties, time consumed, suggestions for improvement, etc.).

	# of Comments Pop 1	# of Comments Pop 2	# of Comments Pop 3	# of Comments Combined
a. Not involved with process.....	17	68	11	96
b. Straight forward/very clear.....	21	37	17	75
c. Complete classes sampled.....	5	14	2	21
d. Selected randomly.....	-	7	3	10
e. Students not a good representation of the school.....	-	8	-	8
f. Time consuming process.....	1	-	4	5
g. All advance math students tested in this country (Pop 3)	-	-	3	3
h. All the classes were taken.....	-	5	2	7
i. Not clear.....	1	1	-	2
j. Selected on school achievement to give a representative distribution of achievement.....	-	1	-	1
	Total=45	Total=141	Total=42	Total=228

D.16. Did the students receive any special instructions, motivational talk, or incentives to prepare them for the assessment?

Responses on for this item were omitted by nineteen of the sessions observed.

	% of Responses		Total
	Yes	No	
Pop 1	42	58	83
Pop 2	43	57	212
Pop 3	59	41	70
Combined.....	46	54	365

D.17. If yes, what special instructions, motivational talk or incentives were provided and by whom?

	# of Comments Pop 1	# of Comments Pop 2	# of Comments Pop 3	# of Comments Combined
a. Basic information	19	29	15	63
b. Motivational talk	6	46	13	65
c. Pamphlet	2	2	2	6
d. Newsletter	-	1	-	1
e. Letter to parents	2	3	3	8
f. Actual incentives	-	1	1	2
	Total=18	Total=82	Total=34	Total=134

D.18. Were students given any opportunity to practice on questions like those in the tests before the testing session?

Responses on for this item were omitted by nine of the sessions observed.

	% of Responses		Total
	Yes	No	
Pop 1	-	100	85
Pop 2	3	97	220
Pop 3	-	100	70
Combined.....	2	98	375

D.19. If yes, please explain.

	# of Comments Pop 2	# of Comments Pop 3	# of Comments Combined
a. Preliminary training session was conducted on the recommendations of the NRC	2	-	2
b. Test have been used for assessment previously	-	2	2
c. "We have orientation tests, or evaluation tests that are very similar"	1	-	1
	Total=3	Total=2	Total=5

D.20. Overall do you feel the TIMSS School Coordinator Manual worked well or does it need improvement?

Responses on for this item were omitted by 48 of the sessions observed.

	% of Responses		Total
	Worked well	Needs to be improved	
Pop 1	95	5	79
Pop 2	91	9	195
Pop 3	90	10	62
Combined.....	92	8	336

D.21. How should the manual be improved?

	# of Comments Pop 1	# of Comments Pop 2	# of Comments Pop 3	# of Comments Combined
a. The manual should be shorter/more direct	2	12	1	15
b. Fine as is	1	10	1	12
c. Check list/flow chart of things to be done	-	2	1	3
d. The manual left out many things told by trainers	-	1	1	2
e. More information about TIMSS	2	-	-	2
f. Should include instructions about leaving the room	-	-	2	2
g. The manual should provide better explanations of the structure of the sessions	-	2	-	2
h. More graphic	-	2	-	2
i. Instructions about calculators	-	1	-	1
j. Should include instructions for students who are finished	-	-	1	1
k. Would have been better if the manual had been translated.....	1	-	-	1
l. A remark not to use extra paper for notes and operations	-	1	-	1
	Total=6	Total=31	Total=7	Total=44

D.22. What is your position at this school or school district?

Responses on for this item were omitted by 16 of the sessions observed.

	% of Responses
a. School: Classroom teacher	24
b. School: Principal	38
c. School: Counselor	2
d. School: Other	21
e. School: District Staff.....	4
f. Other.....	12
	Total =368

For Questions D.23 through D.28, show the School Coordinator the **Class Tracking Form** for the school. Explain that TIMSS is interested in having the most accurate sampling information possible.

D.23. Is this a complete list of the mathematics classes in this grade in this school?

A number of QCMs (79) did not check this item.

		% of Responses		Total
		Yes	No	
Pop 1	.....	97	3	73
Pop 2	.....	91	9	193
Pop 3	.....	97	3	39
Combined	.....	93	7	305

D.24. If no, please explain.

		# of Comments Pop 1	# of Comments Pop 2	# of Comments Combined
a.	There was at least one other class that was not selected.....	1	8	9
b.	The list is not complete.....	-	1	1
c.	There was an error in the class tracking form.....	1	-	1
d.	Miscellaneous.....	-	4	4
e.	Irrelevant comment.....	-	4	4
		Total = 2	Total = 13	Total = 19

D.25. To the best of your knowledge, are there any students in this grade level who are not in any of these mathematics classes?

A number of QCMs (82) did not check this item.

		% of Responses		Total
		Yes	No	
Pop 1	.....	1	99	73
Pop 2	.....	3	97	191
Pop 3	.....	3	97	38
Combined	.....	2	98	102

D.26. If yes, please explain.

- a. Four special education students
- b. Extra math classes for reinforcement
- c. Three students said that they had taken this test earlier the same year

# of Comments All Pop 2	
	1
	1
	1
Total = 3	

D.27. To the best of your knowledge, are there any students in this grade level in more than one of these mathematics classes?

A number of QCMs (81) did not check this item.

	% of Responses		Total
	Yes	No	
Pop 1	1	99	73
Pop 2	3	97	191
Pop 3	11	89	38
Combined.....	4	96	302

D.28. If yes, please explain.

Four of the 8 observation records providing comments have comments that indicate the School Coordinator misunderstood the question. For example, one SC interpreted this question to ask "How many math classes in this grade level are in this school?".

- a. In extra classes to reinforce.....
- b. Slow learners need extra classes.....

Number of Comments	
	3
	1
Total = 4	

D.29. If there were another international assessment, would you be willing to serve as a School Coordinator?

	% of Responses		Total
	Yes	No	
Pop 1	85	15	85
Pop 2	91	9	220
Pop 3	94	6	69
Combined.....	90	10	374

D.30. That is all the questions I have. On behalf of the Third International Mathematics and Science Study, I want to thank you for your time and effort. Do you have any comments you would like to make before I leave?

202 of the school coordinators provided comments. The comments which are directly related to the study are tabulated below.

Subject of Comments	Nature of Comments	Total
School Coordinator	Appreciative of study, positive experience.....	43
	Glad the study is over, stressful experience.....	2
Teachers	Cooperative, helpful.....	1
	Poorly organized, unmotivated and uncooperative, inadequate supervision of students	1
Students	Positive about study.....	4
	Negative about study.....	-
Time	Study was too time consuming.....	6
	Study interfered with school program too much	4
	Time allocated to test was inappropriate.....	9
	Timing of Study was inappropriate.....	26
Study materials	Excellent, well presented, easy to follow directions, stimulating questions.....	5
	Questionnaires were too complex or demanding	14
	Mismatch between test and curriculum.....	45
Results	Make results known.....	20