The IEA First International Mathematics Study (FIMS) Codebook

1.   Introduction

The present codebook has been constructed to facilitate use of the data collected by the IEA in its first survey of mathematics achievement (FIMS). The study is reported in Husen, T.

Data from this survey were originally stroed in two types of files: (1) master files, containing all original responses to all questionnaires and test items without any aggregation or transformations, and (2) working files, containing all original item data from school, teacher and student background questionnaires. Aggregations and transformations of some questionnaire data, and summary scores for tests and attitude and descriptive scales. These files are described briefly in Richard M. Wolf: Data Bank Manual (IEA, Hamburg, 1967). The data bank manual, however, describes only the contents of the files and the construction of the variables. The present codebook describes the file structure and the record formats and, together with the data bank manual, is intended to enable the use of the files. The data bank manual should be used only for the coding of the individual item responses. The variable numbers in the present codebook do not correspond to the variable numbers in the data bank manual.

2.   Data Bank Files

In order to be able to use the files, it is necessary to be familiar with both the file structure and the record format.

2.1   File Structure

A file contains data for ta given country and population. (note that Population 1 in a master files contains both Populations 1A and 1B as described in the report: see section 4 below.)
The file consists of school, teacher, and student records. All data for each given school, teacher, or student appear in a separate record, and no data are repeated. The files thus have the following organisation: the record for the first school, followed by the records for all teachers in the school, followed by the records for all students in the school, followed by the records for the second school, the teacher records, student records etc..

2.2   Record Formats

It should be noted that the different populations in the student master files have different structures. This is because the lengths of the tests differed for the different populations, and the responses to the attitude and descriptive items were in all cases placed directly after the responses to the test items. Thus there is one codebook for

the Populations 1A and 1B, a second for Population 3A, and a third for Population 3B. Note that this applies only to student master files.

School, teacher, and student records have different formats, of course, but there are three essential similarities:

(1)   all records have the same length, 324 positions;
(2)   the first five elements of the record identification have the same definition and format for all records.
The first element identifies the record type. The code is the following:
1 = student record
2 = teacher record
3 = school record
4 = country record
The second and the third elements are now superflous since different countries and populations now appear in separate files;
(3)   the last element in each record, a record type identification for the next record, also uses the above code. Code 4, country code, is also superflous since different countries appear in different files.

3.   Instruments and Variables

In the present codebook, instruments and variables are identified according to a special mnemonic system. Elements or the record identification are also given mnemonic labels.

3.1   Instrument and Variables Key

Every instrument is identified by a short name which is used to give the questionnaire and test items their short labels having a maximum of 8 characters. These labels can be used in SPSS or other computer analysis packages requiring labels of eight or fewer characters. Labels for all instruments and variables associated with the FIMS survey have the following meanings:

1st and 2nd character
M1 = FIMS (1967)

3rd character
S = school instrument
T = teacher instrument
P = pupil instrument

4th character
Q = questionnaire
R = teacher rating of student opportunity to learn (OTL) test items
S = attitude and descriptive scales
T = test scores

5th character
I = item, without transformation
T = transformation of items
R = test score raw
C = test score corrected for guessing

3.2   Variable labels

To the above instrument labels is attached the actual item number in the respective instruments. Thus, M1PQI23 refers to the 38th item in the student questionnaire: 'status of desired occupation'.

3.3   Instruments used

M1S   School Questionnaire
M1PQ Teacher Background and Descriptive Questionnaire
M1TR Teacher Rating of Student Opportunity to Learn Test Items
M1PQ Pupil Background Questionnaire
M1PS Pupil Attitude and Descriptive Scales
M1PTA   Test A (Populations 1A, 1B: Items 16-21, Population 3B
M1PTB   Test B (Populations 1A, 1B: Items 16-21, Population 3B
M1PTC   Test C (Populations 1A, 1B: Items 16-21, Population 3B
M1PT5   Test 5 (Populations 3A, 3B)
M1PT6   Test 6 (Population 3A)
M1PT7   Test 7 (Population 3A)
M1PT8   Test 8 (Population 3A)
M1PT9   Test 9 (Population 3A)

4.   File Populations

Population 1 as defined in the master files does not correspond to those in the Mathematics Report. Instead, the population number takes integer values from 1 to 4. The code is as follows:
1   Populations 1A and 1B in the report
2   National Option Population
3   Populations 3A in the report
4   Populations 3B in the report

Populations 1A and 1B of the report can be accessed by selecting on the subpopulation number.

4.1   Selecting Populations 1A and 1B

Among students in the file Population 1, there are three subpopulation numbers. The code is as follows:

1   Students who are 13.0 to 13.11 years old and who are in the grade level defined by Population 1B

2   Students who are 13.0 to 13.11 years old but who are not in the grade level defined by Population 1B

3   Students who are not 13.0 to 13.11 years old but who are in the grade level defined by Population 1B.

Thus to access Population 1A, select Subpopulations 1 and 2. To access Population 1B, select Subpopulations 1 and 3.

School record •• master file •• Population 1 •• length=324

seq.	var.name	variable label	format	miss.
1	RECDTYPE	RECORD TYPE IDENTIFICATION	F1.0	
2	COUNTRY	COUNTRY NUMBER	F2.0	
3	POPULATN	POPULATION NUMBER	F1.0	
4	SCHOOLNR	SCHOOL NUMBER	F3.0	
5	SUBPOPNR	SUBPOPULATION NUMBER	F1.0	
6	STRATUM	STRATUM NUMBER	F2.0	
7	SUBSAMPL	SUBSAMPLE NUMBER	F1.0	
8	M1SQI01	TOTAL ENROLMENT IN SCHOOL	F5.0	0
9	M1SQI02	NUMBER OF FULL-TIME TEACHERS	F1.0	0
10	M1SQI03	NUMBER OF STAFF TEACHING MATHEMATICS	F1.0	0
11	M1SQI04	STAFF WITH MATH SPECIALIST TRAINING	F1.0	0
12	M1SQI05	PER CENT OF TEACHERS WHO ARE MALE	F1.0	
13	M1SQI06	SEX OF SCHOOL	F1.0	0
14	M1SQI07	TYPE OF SCHOOL	F1.0	0
15	M1SQI08	EDUCATIONAL DIFFERENTIATION	F1.0	0
16	M1SQI09	AVERAGE NUMBER SUBJECTS TAKEN GRADE 12	F1.0	0
17	M1SQI10	AVERAGE NUMBER SUBJECTS TAKEN GRADE 11	F1.0	0
18	M1SQI11	AVERAGE NUMBER SUBJECTS TAKEN GRADE 10	F1.0	0
19	M1SQI12	AVERAGE NUMBER SUBJECTS TAKEN GRADE 9	F1.0	0
20	M1SQI13	AVERAGE NUMBER SUBJECTS TAKEN GRADE 8	F1.0	0
21	M1SQI14	TOTAL ANNUAL SALARY BUDGET IN US DOLLARS	F4.0	0
22	M1SQI15	ANNUAL RECURRENT EQUIPMENT EXPENDITURES	F3.0	0
23	M1SQI16	SPECIAL OPPORTUNITIES FOR ABLE STUDENTS	F1.0	0
24	M1SQI17	EXPERIMENTAL PROGRAM	F1.0	0
25	M1SQI18	TYPE OF PROGRAM	F1.0	0
26	M1SQI19	NUMBER OF HOURS OF INSTRUCTION PER YEAR	F1.0	0
27	M1SQI20	AGE OF ENTRY OF STUDENTS	F2.0	0
28	M1SQI21	AGE OF TERMINAL STUDENTS	F2.0	0
29	M1SNAT01	FOR NATIONAL USE ONLY	F1.0	
…	…	…	…	
43	M1SNAT15	FOR NATIONAL USE ONLY	F1.0	
44	BLANK01	SPACE FILLER, BLANK	F5.0	
…	…	…	…	
96	BLANK53	SPACE FILLER, BLANK	F5.0	
97	NEXTRECD	NEXT RECORD TYPE IDENTIFICATION	F1.0	

END OF SCHOOL RECORD

Teacher record •• master file •• Population 1 •• length=324

seq.	var.name	variable label	format	miss.
1	RECDTYPE	RECORD TYPE IDENTIFICATION	F1.0	
2	COUNTRY	COUNTRY NUMBER	F2.0	
3	POPULATN	POPULATION NUMBER	F1.0	
4	SCHOOLNR	SCHOOL NUMBER	F3.0	
5	SUBPOPNR	SUBPOPULATION NUMBER	F1.0	
6	TEACHRNR	TEACHER NUMBER	F2.0	
7	TAGE	AGE OF TEACHER	F1.0	0
8	TSEX	SEX OF TEACHER	F1.0	0
9	TRAINTOT	LENGTH OF TRAINING	F1.0	0
10	TRAINTYP	TYPE OF PROFESSIONAL TRAINING	F1.0	0
11	TRAINLOC	TYPE OF SUBJECT TRAINING	F1.0	0
12	CERTTCH	TEACHER TRAINING CERTIFICATE	F1.0	0
13	CERTSUBJ	SUBJECT MATTER CERTIFICATE	F1.0	0
14	TCHEXP	TEACHING EXPERIENCE	F1.0	0
15	INSERV	RECENT SERVICE TRAINING	F1.0	0
16	NOLECT	NUMBER OF LECTURES OR SEMINARS ATTENDED	F1.0	0
17	NEWM	NEW MATH INSERVICE TRAINING	F1.0	0
18	NEWMTCH	TEACHING NEW MATHEMATICS	F1.0	0
19	NMATHTYP	TYPE OF NEW MATH TEACHING	F1.0	0
20	TATT	TEACHER ATTITUDE SCALE	F1.0	0
21	LIMSYLLA	SET SYLLABUS RESTRICTION	F1.0	0
22	LIMTEXTB	SET TEXT BOOKS RESTRICTION	F1.0	0
23	LIMMETH	SET METHODS RESTRICTION	F1.0	0
24	LIMEXAM	SET EXAMINATIONS RESTRICTION	F1.0	0
25	M1TRI01	RATING OPPORTUNITY TO LEARN ITEM01	F1.0	
…	…	…	…	
94	M1TRI70	RATING OPPORTUNITY TO LEARN ITEM70	F1.0	
95	M1TNAT01	FOR NATIONAL USE ONLY	F1.0	
…	…	…	…	
109	M1TNAT15	FOR NATIONAL USE ONLY	F1.0	
110	BLANK01	SPACE FILLER, BLANK	F5.0	
…	…	…	…	
151	BLANK42	SPACE FILLER, BLANK	F5.0	
152	NEXTRECD	NEXT RECORD TYPE IDENTIFICATION	F1.0	

END OF TEACHER RECORD

Student record •• master file •• Population 1 •• length=324

seq.	var.name	variable label	format	miss.
1	RECDTYPE	RECORD TYPE IDENTIFICATION	F1.0	
2	COUNTRY	COUNTRY NUMBER	F2.0	
3	POPULATN	POPULATION NUMBER	F1.0	
4	SCHOOLNR	SCHOOL NUMBER	F3.0	
5	SUBPOPNR	SUBPOPULATION NUMBER	F1.0	
6	STUDNTNR	STUDENT NUMBER	F3.0	
7	STRATNR	STRATUM NUMBER	F2.0	
8	SUBSAMPL	SUBSAMPLE NUMBER	F1.0	
9	M1PQI01	GRADE IN SCHOOL	F1.0	0
10	M1PQI02	SEX OF STUDENT	F1.0	0
11	M1PQI03	AGE IN COMPLETED MONTHS	F3.0	0
12	M1PQI04	SCHOOL COURSE PROGRAM	F1.0	0
13	M1PQI05	MATHEMATICS TEACHER NUMBER 1	F2.0	0
14	M1PQI06	MATHEMATICS TEACHER NUMBER 2	F2.0	0
15	M1PQI07	NUMBER OF STUDENTS IN CLASS	F1.0	0
16	M1PQI08	PERIODS OF MATHEMATICS PER WEEK	F1.0	0
17	M1PQI09	NUMBER OF HOURS OF MATHEMATICS PER WEEK	F1.0	0
18	M1PQI10	NUMBER OF HOURS OF SCHOOLING PER WEEK	F1.0	0
19	M1PQI11	NUMBER OF HOURS OF MATH HOMEWK PER WEEK	F2.0	0
20	M1PQI12	NUMBER OF HOURS OF ALL HOMEWK PER WEEK	F2.0	0
21	M1PQI13	PLACE OF PARENTS RESIDENCE	F1.0	0
22	M1PQI14	FATHERS YEARS OF EDUCATION	F2.0	0
23	M1PQI15	MOTHERS YEARS OF EDUCATION	F2.0	0
24	M1PQI16	FATHERS OCCUPATIONAL STATUS	F1.0	0
25	M1PQI17	MOTHERS OCCUPATIONAL STATUS	F1.0	0
26	M1PQI18	MOTHERS EMPLOYMENT	F1.0	0
27	M1PQI19	YEARS ADDITIONAL EDUCATION EXPECTED	F1.0	0
28	M1PQI20	YEARS ADDITIONAL EDUCATION DESIRED	F1.0	0
29	M1PQI21	STATUS OF EXPECTED OCCUPATION	F1.0	0
30	M1PQI22	EXPECTED OCCUPATION SCIENTIFIC	F1.0	0
31	M1PQI23	STATUS OF DESIRED OCCUPATION	F1.0	0
32	M1PQI24	DESIRED OCCUPATION SCIENTIFIC	F1.0	0
33	M1PQI25	EXPECT TO TAKE MORE MATHEMATICS	F1.0	0
34	M1PQI26	WISH TO TAKE MORE MATHEMATICS	F1.0	0
35	M1PQI27	EXTRA ACTIVITIES IN MATHEMATICS	F1.0	0
36	M1PQI28	DESCRIPTION OF EXTRA ACTIVITIES IN MATH	F1.0	0
37	M1PQI29	LEVEL OF MATHEMATICS INSTRUCTION	F1.0	0
38	M1PQI30	HIGHEST NUMBER OF MATH COURSE TAKEN	F2.0	0
39	M1PQI31	SECOND HIGHEST NUMBER OF MATH COURSE	F2.0	0
40	M1PQI32	EXPERIMENTAL MATHEMATICS COURSE 1	F2.0	0
41	M1PQI33	EXPERIMENTAL MATHEMATICS COURSE 2	F2.0	0
42	M1PQI34	FURTHER EDUCATION OR EMPLOYMENT	F1.0	0
43	M1PQI35	EXAMINATIONS TAKEN OR PLANNED	F1.0	0
44	M1PQI36	BEST LIKED SUBJECT 1	F2.0	0
45	M1PQI37	BEST LIKED SUBJECT 2	F2.0	0
46	M1PQI38	LEAST LIKED SUBJECT 1	F2.0	0
47	M1PQI39	LEAST LIKED SUBJECT 2	F2.0	0
48	M1PQI40	BEST SUBJECT 1	F2.0	0
49	M1PQI41	BEST SUBJECT 2	F2.0	0
50	M1PQI42	WORST SUBJECT 1	F2.0	0
51	M1PQI43	WORST SUBJECT 2	F2.0	0
52	M1PQI44	MATH GRADES 9 & 10 CONTAINS ARITHMETIC	F1.0	0

53	M1PQI45	MATH GRADES 11 & 12 CONTAINS ALGEBRA	F1.0	0
54	M1PQI46	MATH GRADES 11 & 12 CONTAINS GEOMETRY	F1.0	0
55	M1PQI47	MATH GRADES 11 & 12 CONTAINS TRIGONOMETRY	F1.0	0
56	M1PQI48	MATH GRADES 11 & 12 CONTAINS CALCULUS	F1.0	0
57	M1NATVBL	VERBAL TEST SCORE NATIONAL OPTION	F1.0	
58	M1NATCRE	CREATIVITY TEST SCORE NATIONAL OPTION	F1.0	
59	M1PTI01	MATHEMATICS TEST ITEM01	F1.0	
…	…	…	…	
128	M1PTI70	MATHEMATICS TEST ITEM70	F1.0	
129	M1PSI01	SCALE ITEM01	F1.0	
…	…	…	…	
193	M1PSI65	SCALE ITEM65	F1.0	
194	M1PNAT01	FOR NATIONAL USE ONLY	F1.0	
…	…	…	…	
204	M1PNAT11	FOR NATIONAL USE ONLY	F1.0	
205	BLANK01	SPACE FILLER, BLANK	F1.0	
…	…	…	…	
297	BLANK93	SPACE FILLER, BLANK	F1.0	
298	NEXTRECD	NEXT RECORD TYPE IDENTIFICATION	F1.0	

END OF STUDENT RECORD

School record •• working file •• Population 1 •• length=324

seq.	var.name	variable label	format	miss.
1	RECDTYPE	RECORD TYPE IDENTIFICATION	F1.0	
2	COUNTRY	COUNTRY NUMBER	F2.0	
3	POPULATN	POPULATION NUMBER	F1.0	
4	SCHOOLNR	SCHOOL NUMBER	F3.0	
5	SUBPOPNR	SUBPOPULATION NUMBER	F1.0	
6	STRATUM	STRATUM NUMBER	F2.0	
7	SUBSAMPL	SUBSAMPLE NUMBER	F1.0	
8	M1SQI01	TOTAL ENROLMENT IN SCHOOL	F5.0	0
9	M1SQI02	NUMBER OF FULL-TIME TEACHERS	F1.0	0
10	M1SQI03	NUMBER OF STAFF TEACHING MATHEMATICS	F1.0	0
11	M1SQI04	STAFF WITH MATH SPECIALIST TRAINING	F1.0	0
12	M1SQI05	PER CENT OF TEACHERS WHO ARE MALE	F1.0	
13	M1SQI06	SEX OF SCHOOL	F1.0	0
14	M1SQI07	TYPE OF SCHOOL	F1.0	0
15	M1SQI08	EDUCATIONAL DIFFERENTIATION	F1.0	0
16	M1SQI09	AVERAGE NUMBER SUBJECTS TAKEN GRADE 12	F1.0	0
17	M1SQI10	AVERAGE NUMBER SUBJECTS TAKEN GRADE 11	F1.0	0
18	M1SQI11	AVERAGE NUMBER SUBJECTS TAKEN GRADE 10	F1.0	0
19	M1SQI12	AVERAGE NUMBER SUBJECTS TAKEN GRADE 9	F1.0	0
20	M1SQI13	AVERAGE NUMBER SUBJECTS TAKEN GRADE 8	F1.0	0
21	M1SQI14	TOTAL ANNUAL SALARY BUDGET IN US DOLLARS	F4.0	0
22	M1SQI15	ANNUAL RECURRENT EQUIPMENT EXPENDITURES	F3.0	0
23	M1SQI16	SPECIAL OPPORTUNITIES FOR ABLE STUDENTS	F1.0	0
24	M1SQI17	EXPERIMENTAL PROGRAM	F1.0	0
25	M1SQI18	TYPE OF PROGRAM	F1.0	0
26	M1SQI19	NUMBER OF HOURS OF INSTRUCTION PER YEAR	F1.0	0
27	M1SQI20	AGE OF ENTRY OF STUDENTS	F2.0	0
28	M1SQI21	AGE OF TERMINAL STUDENTS	F2.0	0
29	M1SQT01	EXPENDITURE P. STUDENT ON TEACHER SALARY	F5.2	0
30	M1SQT02	EXPENDITURE PER STUDENT TOTAL	F5.2	0
31	M1SQT03	SCHOOL VARIABILITY IN SES	F4.3	0
32	M1SQT04	SCHOOL MEAN SES LEVEL	F3.2	0
33	M1SNAT01	FOR NATIONAL USE ONLY	F1.0	
…	…	…	…	
47	M1SNAT15	FOR NATIONAL USE ONLY	F1.0	
48	M1PST01	DESCRIPTION OF MATH TEACHING	F4.2	0
49	M1PST02	DESCRIPTION OF SCHOOL	F4.2	0
50	M1PST03	DESCRIPTION OF MATH AND SCHOOL LEARNING	F4.2	0
51	SUMSTWGT	SUM OF STUDENT WEIGHTS	F3.0	0
52	BLANKA01	SPACE FILLER, BLANK	F5.0	
…	…	…	…	
91	BLANKA40	SPACE FILLER, BLANK	F5.0	
92	BLANKB01	SPACE FILLER, BLANK	F5.0	
…	…	…	…	
124	BLANKB33	SPACE FILLER, BLANK	F5.0	
125	NEXTRECD	NEXT RECORD TYPE IDENTIFICATION	F1.0	

END OF SCHOOL RECORD •• WORKING FILE

Teacher record •• working file •• Population 1 •• length=324

seq.	var.name	variable label	format	miss.
1	RECDTYPE	RECORD TYPE IDENTIFICATION	F1.0	
2	COUNTRY	COUNTRY NUMBER	F2.0	
3	POPULATN	POPULATION NUMBER	F1.0	
4	SCHOOLNR	SCHOOL NUMBER	F3.0	
5	SUBPOPNR	SUBPOPULATION NUMBER	F1.0	
6	TEACHRNR	TEACHER NUMBER	F2.0	
7	M1TQI01	AGE OF TEACHER	F1.0	0
8	M1TQI02	SEX OF TEACHER	F1.0	0
9	M1TQI03	LENGTH OF TRAINING	F1.0	0
10	M1TQI04	TYPE OF PROFESSIONAL TRAINING	F1.0	0
11	M1TQI05	TYPE OF SUBJECT TRAINING	F1.0	0
12	M1TQI06	TEACHER TRAINING CERTIFICATE	F1.0	0
13	M1TQI07	SUBJECT MATTER CERTIFICATE	F1.0	0
14	M1TQI08	TEACHING EXPERIENCE	F1.0	0
15	M1TQI09	RECENT SERVICE TRAINING	F1.0	0
16	M1TQI10	NUMBER OF LECTURES OR SEMINARS ATTENDED	F1.0	0
17	M1TQI11	NEW MATH INSERVICE TRAINING	F1.0	0
18	M1TQI12	TEACHING NEW MATHEMATICS	F1.0	0
19	M1TQI13	TYPE OF NEW MATH TEACHING	F1.0	0
20	M1TQI14	TEACHER ATTITUDE SCALE	F1.0	0
21	M1TQI15	SET SYLLABUS RESTRICTION	F1.0	0
22	M1TQI16	SET TEXT BOOKS RESTRICTION	F1.0	0
23	M1TQI17	SET METHODS RESTRICTION	F1.0	0
24	M1TQI18	SET EXAMINATIONS RESTRICTION	F1.0	0
25	M1TQT01	DEGREE OF FREEDOM GIVEN TEACHERS	F3.2	0
26	M1TRT01	OPPORTUNITY TO LEARN HIGHER PROCESSES	F4.2	0
27	M1TRT02	OPPORTUNITY TO LEARN LOWER PROCESSES	F4.2	0
28	M1TRT03	OPPORTUNITY TO LEARN TOTAL	F4.2	0
29	M1TRT04	OTL BASIC ARITHMETIC ITEMS	F4.2	0
30	M1TRT05	OTL ADVANCED ARITHMETIC ITEMS	F4.2	0
31	M1TRT06	OTL BASIC ARITHMETIC ITEMS	F4.2	0
32	M1TRT07	OTL ELEMENTARY ALGEBRA ITEMS	F4.2	0
33	M1TRT08	OTL INTERMEDIATE ALGEBRA ITEMS	F4.2	0
34	M1TRT09	OTL ALL ALGEBRA ITEMS	F4.2	0
35	M1TRT10	OTL INTUITIVE GEOMETRY ITEMS	F4.2	0
36	M1TRT11	OTL DEMONSTRATIVE GEOMETRY ITEMS	F4.2	0
37	M1TRT12	OTL ALL GEOMETRY ITEMS	F4.2	0
38	M1TRT13	OTL ANALYTICAL GEOMETRY ITEMS	F4.2	0
39	BLANKA01	SPACE FILLER, BLANK	F4.2	
40	M1TRT14	OTL LEARN CALCULUS ITEMS	F4.2	0
41	M1TRT15	OTL LEARN ANALYSIS ITEMS	F4.2	0
42	M1TRT16	OTL LEARN SETS ITEMS	F4.2	0
43	M1TRT17	OTL LEARN LOGIC ITEMS	F4.2	0
44	BLANKB01	SPACE FILLER, BLANK	F1.0	
…	…	…	…	
48	BLANKB05	SPACE FILLER, BLANK	F1.0	
49	M1TRT18	OTL LEARN TEST 5 ITEMS	F4.2	0
50	M1TRT19	OTL LEARN TEST 3 ITEMS	F4.2	0
51	BLANKB01	SPACE FILLER, BLANK	F4.2	
…	…	…	…	
53	BLANKB03	SPACE FILLER, BLANK	F4.2	
54	M1TRT20	OTL LEARN VERBAL ITEMS	F4.2	0

55	M1TRT21	OTL LEARN COMPUTATIONAL ITEMS	F4.2	0
56	M1TNAT01	FOR NATIONAL USE ONLY	F1.0	
…	…	…	…	
70	M1TNAT15	FOR NATIONAL USE ONLY	F1.0	
71	BLANKD01	SPACE FILLER, BLANKD	F4.0	
…	…	…	…	
113	BLANKD43	SPACE FILLER, BLANKD	F4.0	
114	NEXTRECD	NEXT RECORD TYPE IDENTIFICATION	F1.0	

END OF TEACHER RECORD • • WORKING FILE

Student record •• working file •• Population 1 •• length=324

seq.	var.name	variable label	format	miss.
1	RECDTYPE	RECORD TYPE IDENTIFICATION	F1.0	
2	COUNTRY	COUNTRY NUMBER	F2.0	
3	POPULATN	POPULATION NUMBER	F1.0	
4	SCHOOLNR	SCHOOL NUMBER	F3.0	
5	SUBPOPNR	SUBPOPULATION NUMBER	F1.0	
6	STUDNTNR	STUDENT NUMBER	F3.0	
7	STRATNR	STRATUM NUMBER	F2.0	
8	SUBSAMPL	SUBSAMPLE NUMBER	F1.0	
9	M1PQI01	GRADE IN SCHOOL	F1.0	0
10	M1PQI02	SEX OF STUDENT	F1.0	0
11	M1PQI03	AGE IN COMPLETED MONTHS	F3.0	0
12	M1PQI04	SCHOOL COURSE PROGRAM	F1.0	0
13	M1PQI05	MATHEMATICS TEACHER NUMBER 1	F2.0	0
14	M1PQI06	MATHEMATICS TEACHER NUMBER 2	F2.0	0
15	M1PQI07	NUMBER OF STUDENTS IN CLASS	F1.0	0
16	M1PQI08	PERIODS OF MATHEMATICS PER WEEK	F1.0	0
17	M1PQI09	NUMBER OF HOURS OF MATHEMATICS PER WEEK	F1.0	0
18	M1PQI10	NUMBER OF HOURS OF SCHOOLING PER WEEK	F1.0	0
19	M1PQI11	NUMBER OF HOURS OF MATH HOMEWK PER WEEK	F2.0	0
20	M1PQI12	NUMBER OF HOURS OF ALL HOMEWK PER WEEK	F2.0	0
21	M1PQI13	PLACE OF PARENTS RESIDENCE	F1.0	0
22	M1PQI14	FATHERS YEARS OF EDUCATION	F2.0	0
23	M1PQI15	MOTHERS YEARS OF EDUCATION	F2.0	0
24	M1PQI16	FATHERS OCCUPATIONAL STATUS	F1.0	0
25	M1PQI17	MOTHERS OCCUPATIONAL STATUS	F1.0	0
26	M1PQI18	MOTHERS EMPLOYMENT	F1.0	0
27	M1PQI19	YEARS ADDITIONAL EDUCATION EXPECTED	F1.0	0
28	M1PQI20	YEARS ADDITIONAL EDUCATION DESIRED	F1.0	0
29	M1PQI21	STATUS OF EXPECTED OCCUPATION	F1.0	0
30	M1PQI22	EXPECTED OCCUPATION SCIENTIFIC	F1.0	0
31	M1PQI23	STATUS OF DESIRED OCCUPATION	F1.0	0
32	M1PQI24	DESIRED OCCUPATION SCIENTIFIC	F1.0	0
33	M1PQI25	EXPECT TO TAKE MORE MATHEMATICS	F1.0	0
34	M1PQI26	WISH TO TAKE MORE MATHEMATICS	F1.0	0
35	M1PQI27	EXTRA ACTIVITIES IN MATHEMATICS	F1.0	0
36	M1PQI28	DESCRIPTION OF EXTRA ACTIVITIES IN MATH	F1.0	0
37	M1PQI29	LEVEL OF MATHEMATICS INSTRUCTION	F1.0	0
38	M1PQI30	HIGHEST NUMBER OF MATH COURSE TAKEN	F2.0	0
39	M1PQI31	SECOND HIGHEST NUMBER OF MATH COURSE	F2.0	0
40	M1PQI32	EXPERIMENTAL MATHEMATICS COURSE 1	F2.0	0
41	M1PQI33	EXPERIMENTAL MATHEMATICS COURSE 2	F2.0	0
42	M1PQI34	FURTHER EDUCATION OR EMPLOYMENT	F1.0	0
43	M1PQI35	EXAMINATIONS TAKEN OR PLANNED	F1.0	0
44	M1PQI36	BEST LIKED SUBJECT 1	F2.0	0
45	M1PQI37	BEST LIKED SUBJECT 2	F2.0	0
46	M1PQI38	LEAST LIKED SUBJECT 1	F2.0	0
47	M1PQI39	LEAST LIKED SUBJECT 2	F2.0	0
48	M1PQI40	BEST SUBJECT 1	F2.0	0
49	M1PQI41	BEST SUBJECT 2	F2.0	0
50	M1PQI42	WORST SUBJECT 1	F2.0	0
51	M1PQI43	WORST SUBJECT 2	F2.0	0
52	M1PQI44	MATH GRADES 9 & 10 CONTAINS ARITHMETIC	F1.0	0

53	M1PQI45	MATH GRADES 11 & 12 CONTAINS ALGEBRA	F1.0	0
54	M1PQI46	MATH GRADES 11 & 12 CONTAINS GEOMETRY	F1.0	0
55	M1PQI47	MATH GRADES 11 & 12 CONTAINS TRIGONOMETRY	F1.0	0
56	M1PQI48	MATH GRADES 11 & 12 CONTAINS CALCULUS	F1.0	0
57	M1NATVBL	VERBAL TEST SCORE NATIONAL OPTION	F1.0	
58	M1NATCRE	CREATIVITY TEST SCORE NATIONAL OPTION	F1.0	
59	M1PQT01	INTEREST IN MATHEMATICS	F2.0	0
60	BLANKA	SPACE FILLER, BLANK	F1.0	
61	M1PQT02	HOURS SCHOOL WORK PER WEEK	F2.0	0
62	M1PTR01	TOTAL MATHEMATICS SCORE RAW	F4.2	0
63	M1PTC01	TOTAL MATHEMATICS SCORE CORRECTED	F4.2	0
64	M1PTR02	LOWER MENTAL PROCESSES SCORE RAW	F4.2	0
65	M1PTC02	LOWER MENTAL PROCESSES SCORE CORRECTED	F4.2	0
66	BLANKB	SPACE FILLER, BLANK	F1.0	
67	M1PTR03	HIGHER MENTAL PROCESSES SCORE RAW	F4.2	0
68	M1PTC03	HIGHER MENTAL PROCESSES SCORE CORRECTED	F4.2	0
69	M1PTR04	VERBAL MATHEMATICS SCORE RAW	F4.2	0
70	M1PTC04	VERBAL MATHEMATICS SCORE CORRECTED	F4.2	0
71	M1PTR05	COMPUTATION SCORE RAW	F4.2	0
72	M1PTC05	COMPUTATION SCORE CORRECTED	F4.2	0
73	M1PTR06	NEW MATH SCORE RAW	F4.2	0
74	M1PTC06	NEW MATH SCORE CORRECTED	F4.2	0
75	M1PTR07	BASIC ARITHMETIC SCORE RAW	F4.2	0
76	M1PTC07	BASIC ARITHMETIC SCORE CORRECTED	F4.2	0
77	M1PTR08	ADVANCED ARITHMETIC SCORE RAW	F4.2	0
78	M1PTC08	ADVANCED ARITHMETIC SCORE CORRECTED	F4.2	0
79	M1PTR09	ELEMENTARY ALGEBRA SCORE RAW	F4.2	0
80	M1PTC09	ELEMENTARY ALGEBRA SCORE CORRECTED	F4.2	0
81	M1PTR10	INTERMEDIATE ALGEBRA SCORE RAW	F4.2	0
82	M1PTC10	INTERMEDIATE ALGEBRA SCORE CORRECTED	F4.2	0
83	M1PTR11	TOTAL ALGEBRA SCORE RAW	F4.2	0
84	M1PTC11	TOTAL ALGEBRA SCORE CORRECTED	F4.2	0
85	M1PTR12	INTUITIVE GEOMETRY SCORE RAW	F4.2	0
86	M1PTC12	INTUITIVE GEOMETRY SCORE CORRECTED	F4.2	0
87	M1PTR13	DEMONSTRATIVE GEOMETRY SCORE RAW	F4.2	0
88	M1PTC13	DEMONSTRATIVE GEOMETRY SCORE CORRECTED	F4.2	0
89	M1PTR14	TOTAL GEOMETRY SCORE RAW	F4.2	0
90	M1PTC14	TOTAL GEOMETRY SCORE CORRECTED	F4.2	0
91	M1PTR15	ANALYTICAL GEOMETRY SCORE RAW	F4.2	0
92	M1PTC15	ANALYTICAL GEOMETRY SCORE CORRECTED	F4.2	0
93	BLANKC01	SPACE FILLER, BLANK	F1.0	
…	…	…	…	
95	BLANKC03	SPACE FILLER, BLANK	F1.0	
96	M1PTR16	CALCULUS SCORE RAW	F4.2	0
97	M1PTC16	CALCULUS SCORE CORRECTED	F4.2	0
98	M1PTR17	OTHER ANALYSIS SCORE RAW	F4.2	0
99	M1PTC17	OTHER ANALYSIS CORRECTED	F4.2	0
100	M1PTR18	SETS SCORE RAW	F4.2	0
101	M1PTC18	SETS SCORE CORRECTED	F4.2	0
102	M1PTR19	LOGIC SCORE RAW	F4.2	0
103	M1PTC19	LOGIC SCORE CORRECTED	F4.2	0
104	M1PTR20	TEST 5 SCORE RAW	F4.2	0
105	M1PTC20	TEST 5 SCORE CORRECTED	F4.2	0
106	M1PTR21	TEST 3 SCORE RAW	F4.2	0
107	M1PTC21	TEST 3 SCORE CORRECTED	F4.2	0
108	M1PST01	DESCRIPTION OF MATH TEACHING	F2.0	0
109	M1PST02	DESCRIPTION OF SCHOOL	F2.0	0

110	M1PST03	ATTITUDE TOWARDS MATH AS PROCESS	F2.0	0
111	M1PST04	ATTITUDE TOWARDS MATH AS DIFFICULT	F2.0	0
112	M1PST05	ATTITUDE TOWARDS MATH IN SOCIETY	F2.0	0
113	M1PST06	ATTITUDE TOWARDS SCHOOL LEARNING	F2.0	0
114	M1PST07	ATTITUDE TOWARDS MAN AND ENVIRONMENT	F2.0	0
115	M1PST08	DESCRIPTION OF MATH AND SCHOOL LEARNING	F2.0	0
116	WEIGHT1	POPULATIONS 1B 2 3A AND 3B	F7.5	0
117	WEIGHT2	POPULATIONS 1A ONLY	F7.5	0
118	M1PNAT01	FOR NATIONAL USE ONLY	F1.0	
…	…	…		…
128	M1PNAT11	FOR NATIONAL USE ONLY	F1.0	
129	BLANKD01	SPACE FILLER, BLANK	F1.0	
…	…	…		…
138	BLANKD10	SPACE FILLER, BLANK	F1.0	
139	NEXTRECD	NEXT RECORD TYPE IDENTIFICATION (loc. 324)	F1.0	

END OF STUDENT RECORD •• WORKING FILE

School record •• master file •• Population 3 •• length=324

seq.	var.name	variable label	format	miss.
1	RECDTYPE	RECORD TYPE IDENTIFICATION	F1.0	
2	COUNTRY	COUNTRY NUMBER	F2.0	
3	POPULATN	POPULATION NUMBER	F1.0	
4	SCHOOLNR	SCHOOL NUMBER	F3.0	
5	SUBPOPNR	SUBPOPULATION NUMBER	F1.0	
6	STRATUM	STRATUM NUMBER	F2.0	
7	SUBSAMPL	SUBSAMPLE NUMBER	F1.0	
8	M1SQI01	TOTAL ENROLMENT IN SCHOOL	F5.0	0
9	M1SQI02	NUMBER OF FULL-TIME TEACHERS	F1.0	0
10	M1SQI03	NUMBER OF STAFF TEACHING MATHEMATICS	F1.0	0
11	M1SQI04	STAFF WITH MATH SPECIALIST TRAINING	F1.0	0
12	M1SQI05	PER CENT OF TEACHERS WHO ARE MALE	F1.0	0
13	M1SQI06	SEX OF SCHOOL	F1.0	0
14	M1SQI07	TYPE OF SCHOOL	F1.0	0
15	M1SQI08	EDUCATIONAL DIFFERENTIATION	F1.0	0
16	M1SQI09	AVERAGE NUMBER SUBJECTS TAKEN GRADE 12	F1.0	0
17	M1SQI10	AVERAGE NUMBER SUBJECTS TAKEN GRADE 11	F1.0	0
18	M1SQI11	AVERAGE NUMBER SUBJECTS TAKEN GRADE 10	F1.0	0
19	M1SQI12	AVERAGE NUMBER SUBJECTS TAKEN GRADE 9	F1.0	0
20	M1SQI13	AVERAGE NUMBER SUBJECTS TAKEN GRADE 8	F1.0	0
21	M1SQI14	TOTAL ANNUAL SALARY BUDGET IN US DOLLARS	F4.0	0
22	M1SQI15	ANNUAL RECURRENT EQUIPMENT EXPENDITURES	F3.0	0
23	M1SQI16	SPECIAL OPPORTUNITIES FOR ABLE STUDENTS	F1.0	0
24	M1SQI17	EXPERIMENTAL PROGRAM	F1.0	0
25	M1SQI18	TYPE OF PROGRAM	F1.0	0
26	M1SQI19	NUMBER OF HOURS OF INSTRUCTION PER YEAR	F1.0	0
27	M1SQI20	AGE OF ENTRY OF STUDENTS	F2.0	0
28	M1SQI21	AGE OF TERMINAL STUDENTS	F2.0	0
29	M1SNAT01	FOR NATIONAL USE ONLY	F1.0	
…	…	…	…	
43	M1SNAT15	FOR NATIONAL USE ONLY	F1.0	
44	BLANK01	SPACE FILLER, BLANK	F5.0	
…	…	…	…	
96	BLANK53	SPACE FILLER, BLANK	F5.0	
97	NEXTRECD	NEXT RECORD TYPE IDENTIFICATION	F1.0	

END OF SCHOOL RECORD

Teacher record •• master file •• Population 3 •• length=324

seq.	var.name	variable label	format	miss.
1	RECDTYPE	RECORD TYPE IDENTIFICATION	F1.0	
2	COUNTRY	COUNTRY NUMBER	F2.0	
3	POPULATN	POPULATION NUMBER	F1.0	
4	SCHOOLNR	SCHOOL NUMBER	F3.0	
5	SUBPOPNR	SUBPOPULATION NUMBER	F1.0	
6	TEACHRNR	TEACHER NUMBER	F2.0	
7	M1TQI01	AGE OF TEACHER	F1.0	0
8	M1TQI02	SEX OF TEACHER	F1.0	0
9	M1TQI03	LENGTH OF TRAINING	F1.0	0
10	M1TQI04	TYPE OF PROFESSIONAL TRAINING	F1.0	0
11	M1TQI05	TYPE OF SUBJECT TRAINING	F1.0	0
12	M1TQI06	TEACHER TRAINING CERTIFICATE	F1.0	0
13	M1TQI07	SUBJECT MATTER CERTIFICATE	F1.0	0
14	M1TQI08	TEACHING EXPERIENCE	F1.0	0
15	M1TQI09	RECENT SERVICE TRAINING	F1.0	0
16	M1TQI10	NUMBER OF LECTURES OR SEMINARS ATTENDED	F1.0	0
17	M1TQI11	NEW MATH INSERVICE TRAINING	F1.0	0
18	M1TQI12	TEACHING NEW MATHEMATICS	F1.0	0
19	M1TQI13	TYPE OF NEW MATH TEACHING	F1.0	0
20	M1TQI14	TEACHER ATTITUDE SCALE	F1.0	0
21	M1TQI15	SET SYLLABUS RESTRICTION	F1.0	0
22	M1TQI16	SET TEXT BOOKS RESTRICTION	F1.0	0
23	M1TQI17	SET METHODS RESTRICTION	F1.0	0
24	M1TQI18	SET EXAMINATIONS RESTRICTION	F1.0	0
25	M1TRI01	RATING OPPORTUNITY TO LEARN ITEM01	F1.0	
…	…	…	…	
94	M1TRI70	RATING OPPORTUNITY TO LEARN ITEM70	F1.0	
95	M1TNAT01	FOR NATIONAL USE ONLY	F1.0	
…	…	…	…	
109	M1TNAT15	FOR NATIONAL USE ONLY	F1.0	
110	BLANK01	SPACE FILLER, BLANK	F5.0	
…	…	…	…	
151	BLANK42	SPACE FILLER, BLANK	F5.0	
152	NEXTRECD	NEXT RECORD TYPE IDENTIFICATION	F1.0	

END OF TEACHER RECORD

Student record •• master file •• Population 3 •• length=324

seq.	var.name	variable label	format	miss.
1	RECDTYPE	RECORD TYPE IDENTIFICATION	F1.0	
2	COUNTRY	COUNTRY NUMBER	F2.0	
3	POPULATN	POPULATION NUMBER	F1.0	
4	SCHOOLNR	SCHOOL NUMBER	F3.0	
5	SUBPOPNR	SUBPOPULATION NUMBER	F1.0	
6	STUDNTNR	STUDENT NUMBER	F3.0	
7	STRATNR	STRATUM NUMBER	F2.0	
8	SUBSAMPL	SUBSAMPLE NUMBER	F1.0	
9	M1PQI01	GRADE IN SCHOOL	F1.0	0
10	M1PQI02	SEX OF STUDENT	F1.0	0
11	M1PQI03	AGE IN COMPLETED MONTHS	F3.0	0
12	M1PQI04	SCHOOL COURSE PROGRAM	F1.0	0
13	M1PQI05	MATHEMATICS TEACHER NUMBER 1	F2.0	0
14	M1PQI06	MATHEMATICS TEACHER NUMBER 2	F2.0	0
15	M1PQI07	NUMBER OF STUDENTS IN CLASS	F1.0	0
16	M1PQI08	PERIODS OF MATHEMATICS PER WEEK	F1.0	0
17	M1PQI09	NUMBER OF HOURS OF MATHEMATICS PER WEEK	F1.0	0
18	M1PQI10	NUMBER OF HOURS OF SCHOOLING PER WEEK	F1.0	0
19	M1PQI11	NUMBER OF HOURS OF MATH HOMEWK PER WEEK	F2.0	0
20	M1PQI12	NUMBER OF HOURS OF ALL HOMEWK PER WEEK	F2.0	0
21	M1PQI13	PLACE OF PARENTS RESIDENCE	F1.0	0
22	M1PQI14	FATHERS YEARS OF EDUCATION	F2.0	0
23	M1PQI15	MOTHERS YEARS OF EDUCATION	F2.0	0
24	M1PQI16	FATHERS OCCUPATIONAL STATUS	F1.0	0
25	M1PQI17	MOTHERS OCCUPATIONAL STATUS	F1.0	0
26	M1PQI18	MOTHERS EMPLOYMENT	F1.0	0
27	M1PQI19	YEARS ADDITIONAL EDUCATION EXPECTED	F1.0	0
28	M1PQI20	YEARS ADDITIONAL EDUCATION DESIRED	F1.0	0
29	M1PQI21	STATUS OF EXPECTED OCCUPATION	F1.0	0
30	M1PQI22	EXPECTED OCCUPATION SCIENTIFIC	F1.0	0
31	M1PQI23	STATUS OF DESIRED OCCUPATION	F1.0	0
32	M1PQI24	DESIRED OCCUPATION SCIENTIFIC	F1.0	0
33	M1PQI25	EXPECT TO TAKE MORE MATHEMATICS	F1.0	0
34	M1PQI26	WISH TO TAKE MORE MATHEMATICS	F1.0	0
35	M1PQI27	EXTRA ACTIVITIES IN MATHEMATICS	F1.0	0
36	M1PQI28	DESCRIPTION OF EXTRA ACTIVITIES IN MATH	F1.0	0
37	M1PQI29	LEVEL OF MATHEMATICS INSTRUCTION	F1.0	0
38	M1PQI30	HIGHEST NUMBER OF MATH COURSE TAKEN	F2.0	0
39	M1PQI31	SECOND HIGHEST NUMBER OF MATH COURSE	F2.0	0
40	M1PQI32	EXPERIMENTAL MATHEMATICS COURSE 1	F2.0	0
41	M1PQI33	EXPERIMENTAL MATHEMATICS COURSE 2	F2.0	0
42	M1PQI34	FURTHER EDUCATION OR EMPLOYMENT	F1.0	0
43	M1PQI35	EXAMINATIONS TAKEN OR PLANNED	F1.0	0
44	M1PQI36	BEST LIKED SUBJECT 1	F2.0	0
45	M1PQI37	BEST LIKED SUBJECT 2	F2.0	0
46	M1PQI38	LEAST LIKED SUBJECT 1	F2.0	0
47	M1PQI39	LEAST LIKED SUBJECT 2	F2.0	0
48	M1PQI40	BEST SUBJECT 1	F2.0	0
49	M1PQI41	BEST SUBJECT 2	F2.0	0
50	M1PQI42	WORST SUBJECT 1	F2.0	0
51	M1PQI43	WORST SUBJECT 2	F2.0	0
52	M1PQI44	MATH GRADES 9 & 10 CONTAINS ARITHMETIC	F1.0	0

53	M1PQI45	MATH GRADES 11 & 12 CONTAINS ALGEBRA	F1.0	0
54	M1PQI46	MATH GRADES 11 & 12 CONTAINS GEOMETRY	F1.0	0
55	M1PQI47	MATH GRADES 11 & 12 CONTAINS TRIGONOMETRY	F1.0	0
56	M1PQI48	MATH GRADES 11 & 12 CONTAINS CALCULUS	F1.0	0
57	M1NATVBL	VERBAL TEST SCORE NATIONAL OPTION	F1.0	
58	M1NATCRE	CREATIVITY TEST SCORE NATIONAL OPTION	F1.0	
59	M1PTI01	MATHEMATICS TEST ITEM01	F1.0	
…	…	…	…	
127	M1PTI69	MATHEMATICS TEST ITEM70	F1.0	
128	M1PSI01	SCALE ITEM01	F1.0	
…	…	…	…	
192	M1PSI65	SCALE ITEM65	F1.0	
193	M1PNAT01	FOR NATIONAL USE ONLY	F1.0	
…	…	…	…	
203	M1PNAT11	FOR NATIONAL USE ONLY	F1.0	
204	BLANK01	SPACE FILLER, BLANK	F1.0	
…	…	…	…	
297	BLANK94	SPACE FILLER, BLANK	F1.0	
298	NEXTRECD	NEXT RECORD TYPE IDENTIFICATION	F1.0	

END OF STUDENT RECORD

Tape and File Information

The original tapes were recorded onto harddisks and compressed on DOS level. The compressed files were copied onto the Macintosh and uncompressed. The files were labeled according to the old tape name conventions were adequate.

The following table shows the various FIMS files and its contents:

Country	Pop.	orig. name	MacOS name	Specification
Belgium	1	dbr1011	1011.STD	student data
			1011.TCH	N=84
			1011.SCH	N=61 (+3)
Belgium	3	dbr1013	1013.STD	
			1013.TCH	N=29
			1013.SCH	N=30
Belgium	4	dbr1014	1014.STD	
			1014.TCH	
			1014.SCH	
England	1	dbr1021	1021.STD	
			1021.TCH	N=1079 (+12)
			1021.SCH	N=182 (-1)
England	2	dbr1022	1022.STD	
			1022.TCH	
			1022.SCH	
England	3	dbr1023	1023.STD	N=1031
			1023.TCH	N=187
			1023.SCH	N=77
England	4	dbr1024	1024.STD	
			1024.TCH	
			1024.SCH	
Finland	1	dbr1031	1031.STD	
			1031.TCH	N=106
			1031.SCH	N=111
Finland	3	dbr1033	1033.STD	
			1033.TCH	N=27
			1033.SCH	N=27
Finland	4	dbr1034	1034.STD	
			1034.TCH	
			1034.SCH	
France	1	dbr1041	1041.STD	
			1041.TCH	N=282
			1041.SCH	N=122
France	3	dbr1043	1043.STD	
			1043.TCH	N=18
			1043.SCH	N=14
France	4	dbr1044	1044.STD	
			1044.TCH	
			1044.SCH	
Netherlands	1	dbr1051	1051.STD	
			1051.TCH	N=149 (+57)
			1051.SCH	N=90 (+19)
Netherlands	3	dbr1053	1053.STD	
			1053.TCH	N=31
			1053.SCH	N=30

Country	Pop.	orig. name	MacOS name	Specification
Netherlands	4	dbr1054	1054.STD	
			1054.TCH	
			1054.SCH	
Israel	1	dbr1051	1061.STD	
			1061.TCH	
			1061.SCH	
Israel	2	dbr1063	1062.STD	
			1062.TCH	
			1062.SCH	
Israel	3	dbr1064	1063.STD	
			1063.TCH	
			1063.SCH	
Japan	1	dbr1071	1071.STD	
			1071.TCH	N=409
			1071.SCH	N=210
Japan	2	dbr1072	1072.STD	
			1072.TCH	
			1072.SCH	
Japan	3	dbr1073	1073.STD	
			1073.TCH	N=142
			1073.SCH	N=91
Japan	4	dbr1074	1074.STD	
			1074.TCH	
			1074.SCH	
Country	Pop.	orig. name	MacOS name	Specification
Scotland	1	dbr1081	1081.STD	
			1081.TCH	N=298 (+4)
			1081.SCH	N=73 (+2)
Scotland	2	dbr1082	1082.STD	
			1082.TCH	
			1082.SCH	
Scotland	3	dbr1083	1083.STD	
			1083.TCH	N=144
			1083.SCH	N=63
Scotland	4	dbr1084	1084.STD	
			1084.TCH	
			1084.SCH	
Sweden	1	dbr1091	1091.STD	
			1091.TCH	N=162 (-1)
			1091.SCH	N=80
Sweden	2	dbr1092	1092.STD	
			1092.TCH	
			1092.SCH	
Sweden	3	dbr1093	1093.STD	
			1093.TCH	N=49
			1093.SCH	N=23
Sweden	4	dbr1094	1094.STD	
			1094.TCH	
			1094.SCH	
United States	1	dbr1101	1101.STD	
			1101.TCH	N=1199 (+7)
			1101.SCH	N=395 (+14)
United States	2	dbr1102	1102.STD	
			1102.TCH	
			1102.SCH	
United States	3	dbr1103	1103.STD	

			1103.TCH	N=277
			1103.SCH	N=149
United States	4	dbr1104	1104.STD	
			1104.TCH	
			1104.SCH	
Germany	1	dbr1111	1111.STD	N=4475
			1111.TCH	
			1111.SCH	
Germany	3	dbr1113	1113.STD	N=649
			1113.TCH	N=48
			1113.SCH	N=37
Germany	4	dbr1114	1114.STD	
			1114.TCH	
			1114.SCH	
Australia	1	dbr1121	1121.STD	
			1121.TCH	N=589 (+1)
			1121.SCH	N=108 (+1)
Australia	3	dbr1123	1123.STD	N=1088
			1123.TCH	N=127
			1123.SCH	N=56

Note: Populations have the following definitions in Husén (ed.), International Study of Achievement in Mathematics, 1967:
1   Pop. 1A and 1B
2   nationally defined population
3   Pop. 3A
4   Pop. 3B

(Hamburg, 19.02.97)