

TIMSS GRADE8 2003 Electronic Codebook

Variable Name : IDCNTRY *Country ID*
Record Number : 1
Position : 1-5
Format : N5.0
Comment : Identification Variable

Response	Codes Percent	Unweighted Frequency	
United States	840	456	100.0
		456	100.0%

Variable Name : IDPOP *Population ID*
Record Number : 1
Position : 6-6
Format : N1.0
Comment : Identification Variable

Response	Codes Percent	Unweighted Frequency	
TIMSS population 1	1	0	0.0
TIMSS population 2	2	456	100.0
TIMSS population 3	3	0	0.0
		456	100.0%

Variable Name : IDSCHOOL *School ID*
Record Number : 1
Position : 7-10
Format : N4.0
Comment : Identification Variable

Response	Codes Percent	Unweighted Frequency	
1001-3301		456	100.0
		456	100.0%

Variable Name : IDTEACH *Teacher ID*
Record Number : 1
Position : 11-16
Format : N6.0
Comment : Identification Variable

Response	Codes Percent	Unweighted Frequency	
100101-330101		456	100.0
		456	100.0%

Variable Name : IDLINK *Teacher Link Number*
 Record Number : 1
 Position : 17-18
 Format : N2.0
 Comment : Identification Variable

Response	Codes Percent	Unweighted Frequency
1-4		456
		456
		100.0%

Variable Name : ITCOURSE *Name Of Course*
 Record Number : 1
 Position : 19-20
 Format : N2.0
 Comment : Identification Variable

Response	Codes Percent	Unweighted Frequency
Mathematics	1	456
		456
		100.0%

Variable Name : IDSUBJ *Subject ID*
 Record Number : 1
 Position : 21-21
 Format : N1.0
 Comment : Identification Variable

Response	Codes Percent	Unweighted Frequency
1	1	456
		456
		100.0%

Variable Name : IDGRADE *Grade*
 Record Number : 1
 Position : 22-23
 Format : N2.0
 Comment : Identification Variable

Response	Codes Percent	Unweighted Frequency
Grade 8	8	456
		456
		100.0%

Variable Name : IDGRADER *Standardized Grade ID*
 Record Number : 1
 Position : 24-24
 Format : N1.0
 Comment : Identification Variable

Response	Codes Percent	Unweighted Frequency	
Lower grade	1	0	0.0
Upper grade	2	456	100.0
		456	100.0%

Variable Name : INTMS03 *In 2003 Assessment Population*
 Record Number : 1
 Position : 25-25
 Format : N1.0
 Comment : Identification Variable

Response	Codes Percent	Unweighted Frequency	
0	0	0	0.0
1	1	456	100.0
		456	100.0%

Variable Name : INTMS99 *In 2003 And 1999 Assessment Population*
 Record Number : 1
 Position : 26-26
 Format : N1.0
 Comment : Identification Variable

Response	Codes Percent	Unweighted Frequency	
0	0	0	0.0
1	1	456	100.0
		456	100.0%

Variable Name : INTMS95 *In 2003 And 1999 And 1995 Ass. Pop*
 Record Number : 1
 Position : 27-27
 Format : N1.0
 Comment : Identification Variable

Response	Codes Percent	Unweighted Frequency	
0	0	0	0.0
1	1	456	100.0
		456	100.0%

How old are you?

Variable Name : BTBGAGE Gen\Age Of Teacher Q1
Record Number : 1
Position : 28-28
Format : N1.0
Comment : TQM2-1: TIMSS99: TQM2A-1 Same BTBGAGE

Response	Codes Percent	Unweighted Frequency	
Under 25	1	16	3.5
25-29	2	42	9.2
30-39	3	107	23.5
40-49	4	114	25.0
50-59	5	116	25.4
60 or older	6	9	2.0
Not administered	8	45	9.9
Omitted	9	7	1.5
		456	100.0%

Are you female or male?

Variable Name : BTBGSEX Gen\Sex Of Teacher Q2
Record Number : 1
Position : 29-29
Format : N1.0
Comment : TQM2-2: TIMSS99: TQM2A-2 Same BTBGSEX

Response	Codes Percent	Unweighted Frequency	
Female	1	263	57.7
Male	2	139	30.5
Not administered	8	45	9.9
Omitted	9	9	2.0
		456	100.0%

By the end of this school year, how many years will you have been teaching altogether? Do not include teaching as a substitute or student teacher.

Variable Name : BTBGTAUT Gen\Years Been Teaching Q3
Record Number : 1
Position : 30-31
Format : N2.0
Comment : TQM2-3: Modified from TIMSS99: TQM2A-3 BTBGTAUG

Response	Codes Percent	Unweighted Frequency	
1-50		397	87.1
Not administered	98	45	9.9
Omitted	99	14	3.1
		456	100.0%

What is the highest level of formal education you have completed?

Variable Name : BTBGFEDC Gen\Level Of Formal Education Completed Q4
Record Number : 1
Position : 32-32
Format : N1.0
Comment : TQM2-4: Modified from TIMSS99: TQM2A-15 BTBGEDUC

Response	Codes Percent	Unweighted Frequency	
Did not compl ISCED 3	1	0	0.0
Finished ISCED 3	2	0	0.0
Finished ISCED 4B	3	0	0.0
Finished ISCED 5B	4	0	0.0
Finished ISCED 5A, first degree	5	160	35.1
Finished ISCED 5A, 2nd degree or higher	6	240	52.6
Not administered	8	45	9.9
Omitted	9	11	2.4
		456	100.0%

How many years of preservice teacher training did you have (e.g., time spent in a teacher education program such as student teaching or a mentorship)? Please round to the nearest whole number.

Variable Name : BTBGYTTR Gen\Years Of Teacher Training Q5
Record Number : 1
Position : 33-34
Format : N2.0
Comment : TQM2-5: New Question

Response	Codes Percent	Unweighted Frequency	
0 Years	1	48	10.5
1 Year	2	220	48.3
2 Years	3	87	19.1
3 Years	4	17	3.7
4 Years	5	24	5.3
5 Years	6	3	0.7
More than 5 years	7	5	1.1
Not administered	98	45	9.9
Omitted	99	7	1.5
		456	100.0%

During your college or university education, what was your main area(s) of study? Mathematics

Variable Name : BTBMP SMA Mat\Major Area Of Study\Mathematics Q6a
Record Number : 1
Position : 35-35
Format : N1.0
Comment : TQM2-6A: New Question

Response	Codes Percent	Unweighted Frequency	
Yes	1	182	39.9
No	2	211	46.3
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	18	4.0
		456	100.0%

During your college or university education, what was your main area(s) of study? Education - Mathematics

Variable Name : BTBMPSEM Mat\Major Area Of Study\Education Math Q6b
Record Number : 1
Position : 36-36
Format : N1.0
Comment : TQM2-6B: New Question

Response	Codes Percent	Unweighted Frequency	
Yes	1	212	46.5
No	2	183	40.1
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	16	3.5
		456	100.0%

During your college or university education, what was your main area(s) of study? Science

Variable Name : BTBSPSSC Sci\Major Area Of Study\Sci Q6c
Record Number : 1
Position : 37-37
Format : N1.0
Comment : TQM2-6C: New Question

Response	Codes Percent	Unweighted Frequency	
Yes	1	56	12.3
No	2	338	74.1
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	17	3.7
		456	100.0%

During your college or university education, what was your main area(s) of study? Education - Science

Variable Name : BTBSPSED Sci\Major Area Of Study\Education Sci Q6d
Record Number : 1
Position : 38-38
Format : N1.0
Comment : TQM2-6D: New Question

Response	Codes Percent	Unweighted Frequency	
Yes	1	33	7.2
No	2	361	79.2
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	17	3.7
		456	100.0%

During your college or university education, what was your main area(s) of study? Education - Other/General

Variable Name : BTBGPSEG Gen\Major Area Of Study\Education General Q6e
Record Number : 1
Position : 39-39
Format : N1.0
Comment : TQM2-6E: New Question

Response	Codes Percent	Unweighted Frequency	
Yes	1	0	0.0
No	2	0	0.0
Missing	6	0	0.0
Not administered	8	456	100.0
Omitted	9	0	0.0
		456	100.0%

During your college or university education, what was your main area(s) of study? Other

Variable Name : BTBGPSOT Gen\Major Area Of Study\Other Q6f
Record Number : 1
Position : 40-40
Format : N1.0
Comment : TQM2-6F: New Question

Response	Codes Percent	Unweighted Frequency	
Yes	1	137	30.0
No	2	244	53.5
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	30	6.6
		456	100.0%

What requirements did you have to satisfy in order to become a mathematics teacher in grade 8? Complete bachelor's degree

Variable Name : BTBMRB5A Mat\Requirements To Become Tch\ISCED 5A Q7a
Record Number : 1
Position : 41-41
Format : N1.0
Comment : TQM2-7A: New Question

Response	Codes Percent	Unweighted Frequency	
Yes	1	342	75.0
No	2	56	12.3
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	13	2.9
		456	100.0%

What requirements did you have to satisfy in order to become a mathematics teacher in grade 8? Complete a probationary period

Variable Name : BTBMRBPP Mat\Requirements To Become Tch\Probationary Period Q7b
Record Number : 1
Position : 42-42
Format : N1.0
Comment : TQM2-7B: New Question

Response	Codes Percent	Unweighted Frequency	
Yes	1	181	39.7
No	2	216	47.4
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	14	3.1
		456	100.0%

What requirements did you have to satisfy in order to become a mathematics teacher in grade 8? Complete a minimum number of education courses

Variable Name : BTBMRBEC Mat\Requirements To Become Tch\Education Courses Q7c
Record Number : 1
Position : 43-43
Format : N1.0
Comment : TQM2-7C: New Question

Response	Codes Percent	Unweighted Frequency	
Yes	1	317	69.5
No	2	80	17.5
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	14	3.1
		456	100.0%

What requirements did you have to satisfy in order to become a mathematics teacher in grade 8? Complete a minimum number of mathematics courses

Variable Name : BTBMRBMC Mat\Requirements To Become Tch\Math Courses Q7d
Record Number : 1
Position : 44-44
Format : N1.0
Comment : TQM2-7D: New Question

Response	Codes Percent	Unweighted Frequency	
Yes	1	306	67.1
No	2	91	20.0
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	14	3.1
		456	100.0%

What requirements did you have to satisfy in order to become a mathematics teacher in grade 8? Pass a licensing examination

Variable Name : BTBMRBLE Mat\Requirements To Become Tch\License Exam Q7e
Record Number : 1
Position : 45-45
Format : N1.0
Comment : TQM2-7E: New Question

Response	Codes Percent	Unweighted Frequency	
Yes	1	204	44.7
No	2	194	42.5
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	13	2.9
		456	100.0%

Do you have a teaching license or certificate?

Variable Name : BTBGTLCCE Gen\Teaching Certificate Q8A
Record Number : 1
Position : 46-46
Format : N1.0
Comment : TQM2-8A: New Question

Response	Codes Percent	Unweighted Frequency	
Yes	1	388	85.1
No	2	12	2.6
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	11	2.4
		456	100.0%

What type of license or certificate do you hold?

Variable Name : BTBGTELC Gen\Teaching Certificate\Type Q8B
Record Number : 1
Position : 47-47
Format : N1.0
Comment : TQM2-8B: New Question

Response	Codes Percent	Unweighted Frequency	
<Full certificate>	1	366	80.3
<Provisional certificate>	2	14	3.1
<Emergency certificate>	3	3	0.7
<Other>	4	0	0.0
Missing	6	12	2.6
Not administered	8	45	9.9
Omitted	9	16	3.5
		456	100.0%

Considering your training and experience in both mathematics content and instruction, how ready do you feel you are to teach these topics in the eighth grade? Number - Representing decimals and fractions using words, numbers, or models

Variable Name : BTBMRE01 Mat\Ready To Tch\Number\Decimals Fractions Q9Aa
Record Number : 1
Position : 48-48
Format : N1.0
Comment : TQM2-9AA: New Question

Response	Codes Percent	Unweighted Frequency	
Very ready	1	374	82.0
Ready	2	20	4.4
Not ready	3	0	0.0
Not administered	8	45	9.9
Omitted	9	17	3.7
		456	100.0%

Considering your training and experience in both mathematics content and instruction, how ready do you feel you are to teach these topics in the eighth grade? Number-Integers

Variable Name : BTBMRE02 Mat\Ready To Tch\Number\Integers Q9Ab
Record Number : 1
Position : 49-49
Format : N1.0
Comment : TQM2-9AB: New Question

Response	Codes Percent	Unweighted Frequency	
Very ready	1	372	81.6
Ready	2	21	4.6
Not ready	3	0	0.0
Not administered	8	45	9.9
Omitted	9	18	4.0
		456	100.0%

Considering your training and experience in both mathematics content and instruction, how ready do you feel you are to teach these topics in the eighth grade? Algebra - Numeric, algebraic, and geometric patterns or sequences

Variable Name : BTBMRE03 Mat\Ready To Tch\Algebra\Patterns Sequences Q9Ba
Record Number : 1
Position : 50-50
Format : N1.0
Comment : TQM2-9BA: New Question

Response	Codes Percent	Unweighted Frequency	
Very ready	1	347	76.1
Ready	2	44	9.7
Not ready	3	2	0.4
Not administered	8	45	9.9
Omitted	9	18	4.0
		456	100.0%

Considering your training and experience in both mathematics content and instruction, how ready do you feel you are to teach these topics in the eighth grade? Algebra - Simple linear equations and inequalities, and simultaneous equations

Variable Name : BTBMRE04 Mat\Ready To Tch\Algebra\Simple Equations Q9Bb
Record Number : 1
Position : 51-51
Format : N1.0
Comment : TQM2-9BB: New Question

Response	Codes Percent	Unweighted Frequency	
Very ready	1	357	78.3
Ready	2	35	7.7
Not ready	3	1	0.2
Not administered	8	45	9.9
Omitted	9	18	4.0
		456	100.0%

Considering your training and experience in both mathematics content and instruction, how ready do you feel you are to teach these topics in the eighth grade? Algebra - Equivalent representations of functions

Variable Name : BTBMRE05 Mat\Ready To Tch\Algebra\Equivalent Representations Q9Bc
Record Number : 1
Position : 52-52
Format : N1.0
Comment : TQM2-9BC: New Question

Response	Codes Percent	Unweighted Frequency	
Very ready	1	346	75.9
Ready	2	42	9.2
Not ready	3	2	0.4
Not administered	8	45	9.9
Omitted	9	21	4.6
		456	100.0%

Considering your training and experience in both mathematics content and instruction, how ready do you feel you are to teach these topics in the eighth grade? Algebra - Attributes of a graph

Variable Name : BTBMRE06 Mat\Ready To Tch\Algebra\Attributes Q9Bd
Record Number : 1
Position : 53-53
Format : N1.0
Comment : TQM2-9BD: New Question

Response	Codes Percent	Unweighted Frequency	
Very ready	1	322	70.6
Ready	2	63	13.8
Not ready	3	7	1.5
Not administered	8	45	9.9
Omitted	9	19	4.2
		456	100.0%

Considering your training and experience in both mathematics content and instruction, how ready do you feel you are to teach these topics in the eighth grade? Measurement- Estimations of length, circumference, area, volume, weight, time, angle, and speed

Variable Name : BTBMRE07 Mat\Ready To Tch\Measurement\Estimations Q9Ca
Record Number : 1
Position : 54-54
Format : N1.0
Comment : TQM2-9CA: New Question

Response	Codes Percent	Unweighted Frequency	
Very ready	1	346	75.9
Ready	2	45	9.9
Not ready	3	2	0.4
Not administered	8	45	9.9
Omitted	9	18	4.0
		456	100.0%

Considering your training and experience in both mathematics content and instruction, how ready do you feel you are to teach these topics in the eighth grade? Measurement - Computations with measurements in problem situations

Variable Name : BTBMRE08 Mat\Ready To Tch\Measurement\Computation Q9Cb
 Record Number : 1
 Position : 55-55
 Format : N1.0
 Comment : TQM2-9CB: New Question

Response	Codes Percent	Unweighted Frequency	
Very ready	1	346	75.9
Ready	2	46	10.1
Not ready	3	0	0.0
Not administered	8	45	9.9
Omitted	9	19	4.2
		456	100.0%

Considering your training and experience in both mathematics content and instruction, how ready do you feel you are to teach these topics in the eighth grade? Measurement - Measures of irregular or compound areas

Variable Name : BTBMRE09 Mat\Ready To Tch\Measurement\Measures Q9Cc
 Record Number : 1
 Position : 56-56
 Format : N1.0
 Comment : TQM2-9CC: New Question

Response	Codes Percent	Unweighted Frequency	
Very ready	1	288	63.2
Ready	2	92	20.2
Not ready	3	13	2.9
Not administered	8	45	9.9
Omitted	9	18	4.0
		456	100.0%

Considering your training and experience in both mathematics content and instruction, how ready do you feel you are to teach these topics in the eighth grade? Measurement - Precision of measurements

Variable Name : BTBMRE10 Mat\Ready To Tch\Measurement\Precision Q9Cd
 Record Number : 1
 Position : 57-57
 Format : N1.0
 Comment : TQM2-9CD: New Question

Response	Codes Percent	Unweighted Frequency	
Very ready	1	301	66.0
Ready	2	80	17.5
Not ready	3	10	2.2
Not administered	8	45	9.9
Omitted	9	20	4.4
		456	100.0%

Considering your training and experience in both mathematics content and instruction, how ready do you feel you are to teach these topics in the eighth grade? Geometry - Pythagorean theorem (not proof) to find length of a side

Variable Name : BTBMRE11 Mat\Ready To Tch\Geometry\Pythagorean Q9Da
 Record Number : 1
 Position : 58-58
 Format : N1.0
 Comment : TQM2-9DA: New Question

Response	Codes Percent	Unweighted Frequency	
Very ready	1	355	77.9
Ready	2	30	6.6
Not ready	3	8	1.8
Not administered	8	45	9.9
Omitted	9	18	4.0
		456	100.0%

Considering your training and experience in both mathematics content and instruction, how ready do you feel you are to teach these topics in the eighth grade? Geometry - Congruent figures (triangles, quadrilaterals) and their corresponding measures

Variable Name : BTBMRE12 Mat\Ready To Tch\Geometry\Congruent Figures Q9Db
 Record Number : 1
 Position : 59-59
 Format : N1.0
 Comment : TQM2-9DB: New Question

Response	Codes Percent	Unweighted Frequency	
Very ready	1	353	77.4
Ready	2	35	7.7
Not ready	3	5	1.1
Not administered	8	45	9.9
Omitted	9	18	4.0
		456	100.0%

Considering your training and experience in both mathematics content and instruction, how ready do you feel you are to teach these topics in the eighth grade? Geometry - Cartesian plane - ordered pairs, equations, intercepts, intersections, and gradient

Variable Name : BTBMRE13 Mat\Ready To Tch\Geometry\Cartesian Plane Q9Dc
 Record Number : 1
 Position : 60-60
 Format : N1.0
 Comment : TQM2-9DC: New Question

Response	Codes Percent	Unweighted Frequency	
Very ready	1	326	71.5
Ready	2	55	12.1
Not ready	3	12	2.6
Not administered	8	45	9.9
Omitted	9	18	4.0
		456	100.0%

Considering your training and experience in both mathematics content and instruction, how ready do you feel you are to teach these topics in the eighth grade? Geometry - Translation, reflection, rotation, and enlargement

Variable Name : BTBMRE14 Mat\Ready To Tch\Geometry\Translation Q9Dd
 Record Number : 1
 Position : 61-61
 Format : N1.0
 Comment : TQM2-9DD: New Question

Response	Codes Percent	Unweighted Frequency	
Very ready	1	284	62.3
Ready	2	95	20.8
Not ready	3	13	2.9
Not administered	8	45	9.9
Omitted	9	19	4.2
		456	100.0%

Considering your training and experience in both mathematics content and instruction, how ready do you feel you are to teach these topics in the eighth grade? Data - Sources of error in collecting and organizing data (e.g., bias, inappropriate grouping)

Variable Name : BTBMRE15 Mat\Ready To Tch\Data\Sources Of Error Q9Ea
 Record Number : 1
 Position : 62-62
 Format : N1.0
 Comment : TQM2-9EA: New Question

Response	Codes Percent	Unweighted Frequency	
Very ready	1	253	55.5
Ready	2	122	26.8
Not ready	3	18	4.0
Not administered	8	45	9.9
Omitted	9	18	4.0
		456	100.0%

Considering your training and experience in both mathematics content and instruction, how ready do you feel you are to teach these topics in the eighth grade? Data - Data collection methods (e.g., survey, experiment, questionnaire)

Variable Name : BTBMRE16 Mat\Ready To Tch\Data\Data Collection Q9Eb
 Record Number : 1
 Position : 63-63
 Format : N1.0
 Comment : TQM2-9EB: New Question

Response	Codes Percent	Unweighted Frequency	
Very ready	1	295	64.7
Ready	2	95	20.8
Not ready	3	2	0.4
Not administered	8	45	9.9
Omitted	9	19	4.2
		456	100.0%

Considering your training and experience in both mathematics content and instruction, how ready do you feel you are to teach these topics in the eighth grade? Data - Characteristics of data sets including mean, median, range, and shape of distribution

Variable Name : BTBMRE17 Mat\Ready To Tch\Data\Characteristics Q9Ec
 Record Number : 1
 Position : 64-64
 Format : N1.0
 Comment : TQM2-9EC: New Question

Response	Codes Percent	Unweighted Frequency	
Very ready	1	356	78.1
Ready	2	36	7.9
Not ready	3	1	0.2
Not administered	8	45	9.9
Omitted	9	18	4.0
		456	100.0%

Considering your training and experience in both mathematics content and instruction, how ready do you feel you are to teach these topics in the eighth grade? Data - Simple probability including using data from experiments to estimate probabilities

Variable Name : BTBMRE18 Mat\Ready To Tch\Data\Simple Probability Q9Ed
 Record Number : 1
 Position : 65-65
 Format : N1.0
 Comment : TQM2-9ED: New Question

Response	Codes Percent	Unweighted Frequency	
Very ready	1	330	72.4
Ready	2	61	13.4
Not ready	3	2	0.4
Not administered	8	45	9.9
Omitted	9	18	4.0
		456	100.0%

In one typical calendar week from Monday to Sunday, what is the total number of single periods for which you are formally scheduled? Count a double period as two periods.

Variable Name : BTBGWTNP Gen\Scheduled Periods Altogether Q10A
 Record Number : 1
 Position : 66-67
 Format : N2.0
 Comment : TQM2-10A: Modified from TIMSS99: TQM2-4 BTBGTOTL

Response	Codes Percent	Unweighted Frequency	
1-50		401	87.9
Not administered	98	45	9.9
Omitted	99	10	2.2
		456	100.0%

Of these formally scheduled periods, for how many are you assigned to do each of the following? Teach mathematics

Variable Name : BTBMSPTM Mat\Periods Assigned\Teach Math Q10Ba
 Record Number : 1
 Position : 68-69
 Format : N2.0
 Comment : TQM2-10BA: Modified from TIMSS99: TQM2-5/6 BTBMSUB1-9 and BTBGTSK1-7

Response	Codes Percent	Unweighted Frequency	
1-42		398	87.3
Not administered	98	45	9.9
Omitted	99	13	2.9
		456	100.0%

Of these formally scheduled periods, for how many are you assigned to do each of the following? Teach science

Variable Name : BTBSSPTS Sci\Periods Assigned\Teach Science Q10Bb
Record Number : 1
Position : 70-71
Format : N2.0
Comment : TQM2-10BB: Modified from TIMSS99: TQM2-5/6 BTBMSUB1-9 and BTBGTSK1-7

Response	Codes Percent	Unweighted Frequency	
0-24		400	87.7
Not administered	98	45	9.9
Omitted	99	11	2.4
		456	100.0%

Of these formally scheduled periods, for how many are you assigned to do each of the following? Teach other subjects

Variable Name : BTBGSPTO Gen\Periods Assigned\Teach Other Subjects Q10Bc
Record Number : 1
Position : 72-73
Format : N2.0
Comment : TQM2-10BC: Modified from TIMSS99: TQM2-5/6 BTBMSUB1-9 and BTBGTSK1-7

Response	Codes Percent	Unweighted Frequency	
0-25		399	87.5
Not administered	98	45	9.9
Omitted	99	12	2.6
		456	100.0%

Of these formally scheduled periods, for how many are you assigned to do each of the following? Perform other duties

Variable Name : BTBGSPOD Gen\Periods Assigned\Perform Other Duties Q10Bd
Record Number : 1
Position : 74-75
Format : N2.0
Comment : TQM2-10BD: Modified from TIMSS99: TQM2-5/6 BTBMSUB1-9 and BTBGTSK1-7

Response	Codes Percent	Unweighted Frequency	
0-25		390	85.5
Not administered	98	45	9.9
Omitted	99	21	4.6
		456	100.0%

Of these formally scheduled periods, for how many are you assigned to do each of the following? Total

Variable Name : BTBGSPTT Gen\Periods Assigned\Total
Record Number : 1
Position : 76-77
Format : N2.0
Comment : TQM2-10BE: Additional Variable

Response	Codes Percent	Unweighted Frequency	
1-50		358	78.5
Not administered	98	45	9.9
Omitted	99	53	11.6
		456	100.0%

How many minutes are in a typical single period?

Variable Name : BTBGMITY Gen\Minutes In A Typical Period Q10C
Record Number : 1
Position : 78-80
Format : N3.0
Comment : TQM2-10C: New Question

Response	Codes Percent	Unweighted Frequency	
23-110		400	87.7
Not administered	98	45	9.9
Omitted	99	11	2.4
		456	100.0%

Outside the formal school day, approximately how many hours per week do you normally spend on each of these activities? Do not include the time already accounted for in Question 10. Grading student tests, exams, or other student work

Variable Name : BTBGOHGT Gen\Outside School Day\Grading Tests Q11a
Record Number : 1
Position : 81-82
Format : N2.0
Comment : TQM2-11A: Modified from TIMSS99: TQM2A-7A BTBGACT1

Response	Codes Percent	Unweighted Frequency	
0-20		402	88.2
Not administered	98	45	9.9
Omitted	99	9	2.0
		456	100.0%

Outside the formal school day, approximately how many hours per week do you normally spend on each of these activities? Do not include the time already accounted for in Question 10. Planning lessons

Variable Name : BTBGOHPL Gen\Outside School Day\Planning Lessons Q11b
Record Number : 1
Position : 83-84
Format : N2.0
Comment : TQM2-11B: Modified from TIMSS99: TQM2A-7A BTBGACTION3

Response	Codes Percent	Unweighted Frequency	
0-18		402	88.2
Not administered	98	45	9.9
Omitted	99	9	2.0
		456	100.0%

Outside the formal school day, approximately how many hours per week do you normally spend on each of these activities? Do not include the time already accounted for in Question 10. Administrative and recordkeeping tasks including staff meetings

Variable Name : BTBGOHAT Gen\Outside School Day\Administrative Tasks Q11c
Record Number : 1
Position : 85-86
Format : N2.0
Comment : TQM2-11C: Modified from TIMSS99: TQM2A-7A BTBGACTION8

Response	Codes Percent	Unweighted Frequency	
0-25		402	88.2
Not administered	98	45	9.9
Omitted	99	9	2.0
		456	100.0%

Outside the formal school day, approximately how many hours per week do you normally spend on each of these activities? Do not include the time already accounted for in Question 10. Other

Variable Name : BTBGOHOT Gen\Outside School Day\Other Q11d
Record Number : 1
Position : 87-88
Format : N2.0
Comment : TQM2-11D: Modified from TIMSS99: TQM2A-7A BTBGACTION9

Response	Codes Percent	Unweighted Frequency	
0-40		400	87.7
Not administered	98	45	9.9
Omitted	99	11	2.4
		456	100.0%

How often do you have the following types of interactions with other teachers? Discussions about how to teach a particular concept

Variable Name : BTBGOTDC Gen\Interactions Teachers\Discuss Concept Q12a
Record Number : 1
Position : 89-89
Format : N1.0
Comment : TQM2-12A: New Question

Response	Codes Percent	Unweighted Frequency	
Never or almost never	1	75	16.5
2 or 3 times per month	2	169	37.1
1-3 times per week	3	116	25.4
Daily or almost daily	4	44	9.7
Not administered	8	45	9.9
Omitted	9	7	1.5
		456	100.0%

How often do you have the following types of interactions with other teachers? Working on preparing instructional materials

Variable Name : BTBGOTPM Gen\Interactions Teachers\Preparing Instruc. Materials Q12b
Record Number : 1
Position : 90-90
Format : N1.0
Comment : TQM2-12B: New Question

Response	Codes Percent	Unweighted Frequency	
Never or almost never	1	105	23.0
2 or 3 times per month	2	127	27.9
1-3 times per week	3	101	22.2
Daily or almost daily	4	70	15.4
Not administered	8	45	9.9
Omitted	9	8	1.8
		456	100.0%

How often do you have the following types of interactions with other teachers? Visits to another teacher's classroom to observe his/her teaching

Variable Name : BTBGOTVT Gen\Interactions Teachers\Visits Q12c
Record Number : 1
Position : 91-91
Format : N1.0
Comment : TQM2-12C: New Question

Response	Codes Percent	Unweighted Frequency	
Never or almost never	1	342	75.0
2 or 3 times per month	2	46	10.1
1-3 times per week	3	14	3.1
Daily or almost daily	4	2	0.4
Not administered	8	45	9.9
Omitted	9	7	1.5
		456	100.0%

How often do you have the following types of interactions with other teachers? Informal observations of my classroom by another teacher

Variable Name : BTBGOTAT Gen\Interactions Teachers\Informal Observations Q12d
Record Number : 1
Position : 92-92
Format : N1.0
Comment : TQM2-12D: New Question

Response	Codes Percent	Unweighted Frequency	
Never or almost never	1	319	70.0
2 or 3 times per month	2	66	14.5
1-3 times per week	3	10	2.2
Daily or almost daily	4	9	2.0
Not administered	8	45	9.9
Omitted	9	7	1.5
		456	100.0%

In the past two years, have you participated in professional development in any of the following? Mathematics content

Variable Name : BTBMPDMT Mat\Participated Develop\Math Content Q13a
Record Number : 1
Position : 93-93
Format : N1.0
Comment : TQM2-13A: New Question

Response	Codes Percent	Unweighted Frequency	
Yes	1	327	71.7
No	2	74	16.2
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	10	2.2
		456	100.0%

In the past two years, have you participated in professional development in any of the following? Mathematics pedagogy/instruction

Variable Name : BTBMPDMP Mat\Participated Develop\Math Pedagogy Q13b
Record Number : 1
Position : 94-94
Format : N1.0
Comment : TQM2-13B: New Question

Response	Codes Percent	Unweighted Frequency	
Yes	1	296	64.9
No	2	105	23.0
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	10	2.2
		456	100.0%

In the past two years, have you participated in professional development in any of the following? Mathematics curriculum

Variable Name : BTBMPDMC Mat\Participated Develop\Math Curriculum Q13c
Record Number : 1
Position : 95-95
Format : N1.0
Comment : TQM2-13C: New Question

Response	Codes Percent	Unweighted Frequency	
Yes	1	325	71.3
No	2	75	16.5
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	11	2.4
		456	100.0%

In the past two years, have you participated in professional development in any of the following? Integrating information technology into mathematics

Variable Name : BTBMPDIT Mat\Participated Develop\IT Into Math Q13d
Record Number : 1
Position : 96-96
Format : N1.0
Comment : TQM2-13D: New Question

Response	Codes Percent	Unweighted Frequency	
Yes	1	298	65.4
No	2	102	22.4
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	11	2.4
		456	100.0%

In the past two years, have you participated in professional development in any of the following? Improving students' critical thinking or problem-solving skills

Variable Name : BTBGPDCCT Gen\Participated Develop\Critical Thinking Q13e
Record Number : 1
Position : 97-97
Format : N1.0
Comment : TQM2-13E: New Question

Response	Codes Percent	Unweighted Frequency	
Yes	1	302	66.2
No	2	99	21.7
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	10	2.2
		456	100.0%

In the past two years, have you participated in professional development in any of the following? Mathematics assessment

Variable Name : BTBMPDMA Mat\Participated Develop\Math Assessment Q13f
Record Number : 1
Position : 98-98
Format : N1.0
Comment : TQM2-13F: New Question

Response	Codes Percent	Unweighted Frequency	
Yes	1	291	63.8
No	2	110	24.1
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	10	2.2
		456	100.0%

To what extent do you agree or disagree with each of the following statements? More than one representation (picture, concrete material, symbols, etc.) should be used in teaching a mathematics topic

Variable Name : BTBMADMR Mat\Agree\Use More Than 1 Representation Q14a
Record Number : 1
Position : 99-99
Format : N1.0
Comment : TQM2-14A: Modified from TIMSS99: TQM2A-12F BTBMAGR6

Response	Codes Percent	Unweighted Frequency	
Agree a lot	1	258	56.6
Agree	2	137	30.0
Disagree	3	7	1.5
Disagree a lot	4	0	0.0
Not administered	8	45	9.9
Omitted	9	9	2.0
		456	100.0%

To what extent do you agree or disagree with each of the following statements? Mathematics should be learned as sets of algorithms or rules that cover all possibilities

Variable Name : BTBMADSA Mat\Agree\Mathematics Should Be Q14b
Record Number : 1
Position : 100-100
Format : N1.0
Comment : TQM2-14B: Modified from TIMSS99: TQM2A-127 BTBMAGR7

Response	Codes Percent	Unweighted Frequency	
Agree a lot	1	33	7.2
Agree	2	200	43.9
Disagree	3	145	31.8
Disagree a lot	4	22	4.8
Not administered	8	45	9.9
Omitted	9	11	2.4
		456	100.0%

To what extent do you agree or disagree with each of the following statements? Solving mathematics problems often involves hypothesizing, estimating, testing, and modifying findings

Variable Name : BTBMADHY Mat\Agree\Solving Math Problems Q14c
Record Number : 1
Position : 101-101
Format : N1.0
Comment : TQM2-14C: New Question

Response	Codes Percent	Unweighted Frequency	
Agree a lot	1	213	46.7
Agree	2	177	38.8
Disagree	3	12	2.6
Disagree a lot	4	0	0.0
Not administered	8	45	9.9
Omitted	9	9	2.0
		456	100.0%

To what extent do you agree or disagree with each of the following statements? Learning mathematics mainly involves memorizing

Variable Name : BTBMADME Mat\Agree\Learning Math Memorizing Q14d
Record Number : 1
Position : 102-102
Format : N1.0
Comment : TQM2-14D: New Question

Response	Codes Percent	Unweighted Frequency	
Agree a lot	1	1	0.2
Agree	2	81	17.8
Disagree	3	227	49.8
Disagree a lot	4	92	20.2
Not administered	8	45	9.9
Omitted	9	10	2.2
		456	100.0%

To what extent do you agree or disagree with each of the following statements? There are different ways to solve most mathematical problems

Variable Name : BTBMADDW Mat\Agree\Different Ways To Solve Problems Q14e
Record Number : 1
Position : 103-103
Format : N1.0
Comment : TQM2-14E: New Question

Response	Codes Percent	Unweighted Frequency	
Agree a lot	1	274	60.1
Agree	2	122	26.8
Disagree	3	5	1.1
Disagree a lot	4	0	0.0
Not administered	8	45	9.9
Omitted	9	10	2.2
		456	100.0%

To what extent do you agree or disagree with each of the following statements? Few new discoveries in mathematics are being made

Variable Name : BTBMADFD Mat\Agree\Few New Discoveries Q14f
Record Number : 1
Position : 104-104
Format : N1.0
Comment : TQM2-14F: New Question

Response	Codes Percent	Unweighted Frequency	
Agree a lot	1	11	2.4
Agree	2	96	21.1
Disagree	3	234	51.3
Disagree a lot	4	59	12.9
Not administered	8	45	9.9
Omitted	9	11	2.4
		456	100.0%

To what extent do you agree or disagree with each of the following statements? Modeling real-world problems is essential to teaching mathematics

Variable Name : BTBMADRW Mat\Agree\Modeling Real World Problems Q14g
Record Number : 1
Position : 105-105
Format : N1.0
Comment : TQM2-14G: New Question

Response	Codes Percent	Unweighted Frequency	
Agree a lot	1	259	56.8
Agree	2	138	30.3
Disagree	3	4	0.9
Disagree a lot	4	1	0.2
Not administered	8	45	9.9
Omitted	9	9	2.0
		456	100.0%

Thinking about your school, indicate the extent to which you agree or disagree with each of the following statements about your school. This school facility (building and grounds) is in need of significant repair

Variable Name : BTBGCURE Gen\Thinking About Current School\School Facilities Q15a
 Record Number : 1
 Position : 106-106
 Format : N1.0
 Comment : TQM2-15A: New Question

Response	Codes Percent	Unweighted Frequency	
Agree a lot	1	32	7.0
Agree	2	91	20.0
Disagree	3	193	42.3
Disagree a lot	4	86	18.9
Not administered	8	45	9.9
Omitted	9	9	2.0
		456	100.0%

Thinking about your school, indicate the extent to which you agree or disagree with each of the following statements about your school. This school is located in a safe neighborhood

Variable Name : BTBGCUSN Gen\Thinking About Current School\Safe Neighborhood Q15b
 Record Number : 1
 Position : 107-107
 Format : N1.0
 Comment : TQM2-15B: New Question

Response	Codes Percent	Unweighted Frequency	
Agree a lot	1	183	40.1
Agree	2	186	40.8
Disagree	3	26	5.7
Disagree a lot	4	6	1.3
Not administered	8	45	9.9
Omitted	9	10	2.2
		456	100.0%

Thinking about your school, indicate the extent to which you agree or disagree with each of the following statements about your school. I feel safe at this school

Variable Name : BTBGCUSA Gen\Thinking About Current School\Feel Safe Q15c
 Record Number : 1
 Position : 108-108
 Format : N1.0
 Comment : TQM2-15C: New Question

Response	Codes Percent	Unweighted Frequency	
Agree a lot	1	200	43.9
Agree	2	195	42.8
Disagree	3	6	1.3
Disagree a lot	4	1	0.2
Not administered	8	45	9.9
Omitted	9	9	2.0
		456	100.0%

Thinking about your school, indicate the extent to which you agree or disagree with each of the following statements about your school. This school's security policies and practices are sufficient

Variable Name : BTBGCUAS Gen\Thinking About Current School\Security Policies Q15d
 Record Number : 1
 Position : 109-109
 Format : N1.0
 Comment : TQM2-15D: New Question

Response	Codes Percent	Unweighted Frequency	
Agree a lot	1	122	26.8
Agree	2	227	49.8
Disagree	3	49	10.8
Disagree a lot	4	4	0.9
Not administered	8	45	9.9
Omitted	9	9	2.0
		456	100.0%

How would you characterize each of the following within your school? Teachers' job satisfaction

Variable Name : BTBGCHTS Gen\Characterize\Job Satisfaction Q16a
Record Number : 1
Position : 110-110
Format : N1.0
Comment : TQM2-16A: New Question

Response	Codes Percent	Unweighted Frequency	
Very high	1	37	8.1
High	2	183	40.1
Medium	3	145	31.8
Low	4	31	6.8
Very low	5	4	0.9
Not administered	8	45	9.9
Omitted	9	11	2.4
		456	100.0%

How would you characterize each of the following within your school? Teachers' understanding of the school's curricular goals

Variable Name : BTBGCHTU Gen\Characterize\Teacher's Understanding Q16b
Record Number : 1
Position : 111-111
Format : N1.0
Comment : TQM2-16B: New Question

Response	Codes Percent	Unweighted Frequency	
Very high	1	71	15.6
High	2	225	49.3
Medium	3	90	19.7
Low	4	14	3.1
Very low	5	1	0.2
Not administered	8	45	9.9
Omitted	9	10	2.2
		456	100.0%

How would you characterize each of the following within your school? Teachers' degree of success in implementing the school's curriculum

Variable Name : BTBGCHTC Gen\Characterize\Teacher's Degree Of Success Q16c
Record Number : 1
Position : 112-112
Format : N1.0
Comment : TQM2-16C: New Question

Response	Codes Percent	Unweighted Frequency	
Very high	1	50	11.0
High	2	219	48.0
Medium	3	118	25.9
Low	4	13	2.9
Very low	5	1	0.2
Not administered	8	45	9.9
Omitted	9	10	2.2
		456	100.0%

How would you characterize each of the following within your school? Teachers' expectations for student achievement

Variable Name : BTBGCHES Gen\Characterize\Teachers Expectations Q16d
Record Number : 1
Position : 113-113
Format : N1.0
Comment : TQM2-16D: New Question

Response	Codes Percent	Unweighted Frequency	
Very high	1	111	24.3
High	2	194	42.5
Medium	3	82	18.0
Low	4	12	2.6
Very low	5	2	0.4
Not administered	8	45	9.9
Omitted	9	10	2.2
		456	100.0%

How would you characterize each of the following within your school? Parental support for student achievement

Variable Name : BTBGCHPS Gen\Characterize\Parental Support Q16e
Record Number : 1
Position : 114-114
Format : N1.0
Comment : TQM2-16E: New Question

Response	Codes Percent	Unweighted Frequency	
Very high	1	34	7.5
High	2	115	25.2
Medium	3	150	32.9
Low	4	81	17.8
Very low	5	20	4.4
Not administered	8	45	9.9
Omitted	9	11	2.4
		456	100.0%

How would you characterize each of the following within your school? Parental involvement in school activities

Variable Name : BTBGCHPI Gen\Characterize\Parental Involvement Q16f
Record Number : 1
Position : 115-115
Format : N1.0
Comment : TQM2-16F: New Question

Response	Codes Percent	Unweighted Frequency	
Very high	1	34	7.5
High	2	99	21.7
Medium	3	143	31.4
Low	4	83	18.2
Very low	5	40	8.8
Not administered	8	45	9.9
Omitted	9	12	2.6
		456	100.0%

How would you characterize each of the following within your school? Students' regard for school property

Variable Name : BTBGCHSR Gen\Characterize\Students Regards Q16g
Record Number : 1
Position : 116-116
Format : N1.0
Comment : TQM2-16G: New Question

Response	Codes Percent	Unweighted Frequency	
Very high	1	5	1.1
High	2	91	20.0
Medium	3	169	37.1
Low	4	104	22.8
Very low	5	31	6.8
Not administered	8	45	9.9
Omitted	9	11	2.4
		456	100.0%

How would you characterize each of the following within your school? Students' desire to do well in school

Variable Name : BTBGCHSD Gen\Characterize\Students Desire Q16h
Record Number : 1
Position : 117-117
Format : N1.0
Comment : TQM2-16H: New Question

Response	Codes Percent	Unweighted Frequency	
Very high	1	12	2.6
High	2	108	23.7
Medium	3	188	41.2
Low	4	77	16.9
Very low	5	15	3.3
Not administered	8	45	9.9
Omitted	9	11	2.4
		456	100.0%

How many students are in the TIMSS class?

Variable Name : BTBMSTUD Mat\Number Of Students In The Class Q17
Record Number : 1
Position : 118-120
Format : N3.0
Comment : TQM2-17: Modified from TIMSS99: TQM2B-1 BTDMTOEN

Response	Codes Percent	Unweighted Frequency	
5-55		378	82.9
Not administered	998	45	9.9
Omitted	999	33	7.2
		456	100.0%

How many minutes per week do you teach mathematics to the TIMSS class?

Variable Name : BTBMTIMT Mat\Minutes Teach Math Per Week To Class Q18
Record Number : 1
Position : 121-123
Format : N3.0
Comment : TQM2-18: Modified from TIMSS99: TQM2B-3 BTBMTIME

Response	Codes Percent	Unweighted Frequency	
40-300		320	70.2
Not administered	998	45	9.9
Omitted	999	91	20.0
		456	100.0%

Do you use a textbook(s) in teaching mathematics to the TIMSS class?

Variable Name : BTBMTBTC Mat\Textbook\Use For Math Q19A
Record Number : 1
Position : 124-124
Format : N1.0
Comment : TQM2-19A: Modified from TIMSS99: TQM2B-4A BTBMTXBK

Response	Codes Percent	Unweighted Frequency	
Yes	1	379	83.1
No	2	11	2.4
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	21	4.6
		456	100.0%

How do you use a textbook(s) in teaching mathematics to the TIMSS class?

Variable Name : BTBMTXBU Mat\Textbook\Used How In Teaching Math Q19B
Record Number : 1
Position : 125-125
Format : N1.0
Comment : TQM2-19B: New Question

Response	Codes Percent	Unweighted Frequency	
As the primary basis for my lessons	1	246	54.0
As a supplementary resource	2	128	28.1
Missing	6	11	2.4
Not administered	8	45	9.9
Omitted	9	26	5.7
		456	100.0%

In a typical week of mathematics lessons for the TIMSS class, what percentage of time do students spend on each of the following activities? Reviewing homework

Variable Name : BTBMPTRH Mat\Percentage Spent\Review Homework Q20a
Record Number : 1
Position : 126-128
Format : N3.0
Comment : TQM2-20A: Modified from TIMSS99: TQM2B-12B BTBMACT2

Response	Codes Percent	Unweighted Frequency	
0-50		387	84.9
Not administered	998	45	9.9
Omitted	999	24	5.3
		456	100.0%

In a typical week of mathematics lessons for the TIMSS class, what percentage of time do students spend on each of the following activities? Listening to lecture-style presentations

Variable Name : BTBMPTLS Mat\Percentage Spent\Listening To Presentations Q20b
Record Number : 1
Position : 129-131
Format : N3.0
Comment : TQM2-20B: Modified from TIMSS99: TQM2B-12C BTBMACT3

Response	Codes Percent	Unweighted Frequency	
0-60		386	84.7
Not administered	998	45	9.9
Omitted	999	25	5.5
		456	100.0%

In a typical week of mathematics lessons for the TIMSS class, what percentage of time do students spend on each of the following activities? Working problems with your guidance

Variable Name : BTBMPTYG Mat\Percentage Spent\Working Problems Q20c
Record Number : 1
Position : 132-134
Format : N3.0
Comment : TQM2-20C: Modified from TIMSS99: TQM2B-12D BTBMACT4

Response	Codes Percent	Unweighted Frequency	
0-70		387	84.9
Not administered	998	45	9.9
Omitted	999	24	5.3
		456	100.0%

In a typical week of mathematics lessons for the TIMSS class, what percentage of time do students spend on each of the following activities? Working problems on their own without your guidance

Variable Name : BTBMPTOO Mat\Percentage Spent\Working Problem On Own Q20d
Record Number : 1
Position : 135-137
Format : N3.0
Comment : T
 QM2-20D: Modified from TIMSS99: TQM2B-12F BTBMACT6
 TQM2-20D: Modified from TIMSS99: TQM2B-12F BTBMACT6

Response	Codes Percent	Unweighted Frequency	
0-75		387	84.9
Not administered	998	45	9.9
Omitted	999	24	5.3
		456	100.0%

In a typical week of mathematics lessons for the TIMSS class, what percentage of time do students spend on each of the following activities? Listening to you re-teach and clarify content/procedures

Variable Name : BTBMPTRT Mat\Percentage Spent\Listen To Reteach Q20e
Record Number : 1
Position : 138-140
Format : N3.0
Comment : TQM2-20E: Modified from TIMSS99: TQM2B-12E BTBMACT5

Response	Codes Percent	Unweighted Frequency	
0-30		386	84.7
Not administered	998	45	9.9
Omitted	999	25	5.5
		456	100.0%

In a typical week of mathematics lessons for the TIMSS class, what percentage of time do students spend on each of the following activities? Taking tests or quizzes

Variable Name : BTBMPTTQ Mat\Percentage Spent\Tests Or Quizzes Q20f
Record Number : 1
Position : 141-143
Format : N3.0
Comment : TQM2-20F: Modified from TIMSS99: TQM2B-12G BTBMACT7

Response	Codes Percent	Unweighted Frequency	
0-50		387	84.9
Not administered	998	45	9.9
Omitted	999	24	5.3
		456	100.0%

In a typical week of mathematics lessons for the TIMSS class, what percentage of time do students spend on each of the following activities? Participating in classroom management tasks not related to the lesson's content/purpose

Variable Name : BTBMPTCM Mat\Percentage Spent\Participation In Classroom Q20g
 Record Number : 1
 Position : 144-146
 Format : N3.0
 Comment : TQM2-20G: New Question

Response	Codes Percent	Unweighted Frequency	
0-40		387	84.9
Not administered	998	45	9.9
Omitted	999	24	5.3
		456	100.0%

In a typical week of mathematics lessons for the TIMSS class, what percentage of time do students spend on each of the following activities? Other student activities

Variable Name : BTBMPTOA Mat\Percentage Spent\Other Activities Q20h
 Record Number : 1
 Position : 147-149
 Format : N3.0
 Comment : TQM2-20H: Modified from TIMSS99: TQm2B-12H BTBMACT8

Response	Codes Percent	Unweighted Frequency	
0-45		383	84.0
Not administered	998	45	9.9
Omitted	999	28	6.1
		456	100.0%

In teaching mathematics to the students in the TIMSS class, how often do you usually ask them to do the following? Practice adding, subtracting, multiplying, and dividing without using a calculator

Variable Name : BTBMASPC Mat\How Often Ask\Practice Adding Q21a
 Record Number : 1
 Position : 150-150
 Format : N1.0
 Comment : TQM2-21A: New Question

Response	Codes Percent	Unweighted Frequency	
Every or almost every lesson	1	124	27.2
About half the lessons	2	61	13.4
Some lessons	3	179	39.3
Never	4	32	7.0
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

In teaching mathematics to the students in the TIMSS class, how often do you usually ask them to do the following? Work on fractions and decimals

Variable Name : BTBMASWF Mat\How Often Ask\Work On Fractions Q21b
Record Number : 1
Position : 151-151
Format : N1.0
Comment : TQM2-21B: New Question

Response	Codes Percent	Unweighted Frequency	
Every or almost every lesson	1	55	12.1
About half the lessons	2	125	27.4
Some lessons	3	204	44.7
Never	4	11	2.4
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	16	3.5
		456	100.0%

In teaching mathematics to the students in the TIMSS class, how often do you usually ask them to do the following? Work on problems for which there is no immediately obvious method of solution

Variable Name : BTBMASWS Mat\How Often Ask\Work On Problems Q21c
Record Number : 1
Position : 152-152
Format : N1.0
Comment : TQM2-21C: Modified from TIMSS99: TQM2B-10C BTBMASK3

Response	Codes Percent	Unweighted Frequency	
Every or almost every lesson	1	35	7.7
About half the lessons	2	72	15.8
Some lessons	3	256	56.1
Never	4	32	7.0
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	16	3.5
		456	100.0%

In teaching mathematics to the students in the TIMSS class, how often do you usually ask them to do the following? Interpret data in tables, charts, or graphs

Variable Name : BTBMASID Mat\How Often Ask\Interpret Data Tables Q21d
Record Number : 1
Position : 153-153
Format : N1.0
Comment : TQM2-21D: New Question

Response	Codes Percent	Unweighted Frequency	
Every or almost every lesson	1	13	2.9
About half the lessons	2	82	18.0
Some lessons	3	293	64.3
Never	4	7	1.5
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	16	3.5
		456	100.0%

In teaching mathematics to the students in the TIMSS class, how often do you usually ask them to do the following? Write equations and functions to represent relationships

Variable Name : BTBMASRR Mat\How Often Ask\Write Equations Q21e
Record Number : 1
Position : 154-154
Format : N1.0
Comment : TQM2-21E: Modified from TIMSS99: TQM2B-10E BTBMASK5

Response	Codes Percent	Unweighted Frequency	
Every or almost every lesson	1	38	8.3
About half the lessons	2	146	32.0
Some lessons	3	201	44.1
Never	4	10	2.2
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	16	3.5
		456	100.0%

In teaching mathematics to the students in the TIMSS class, how often do you usually ask them to do the following? Work together in small groups

Variable Name : BTBMASG Mat\How Often Ask\Work In Small Groups Q21f
Record Number : 1
Position : 155-155
Format : N1.0
Comment : TQM2-21F: New Question

Response	Codes Percent	Unweighted Frequency	
Every or almost every lesson	1	69	15.1
About half the lessons	2	117	25.7
Some lessons	3	191	41.9
Never	4	19	4.2
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

In teaching mathematics to the students in the TIMSS class, how often do you usually ask them to do the following? Relate what they are learning in mathematics to their daily lives

Variable Name : BTBMASDL Mat\How Often Ask\Relate To Daily Life Q21g
Record Number : 1
Position : 156-156
Format : N1.0
Comment : TQM2-21G: New Question

Response	Codes Percent	Unweighted Frequency	
Every or almost every lesson	1	102	22.4
About half the lessons	2	155	34.0
Some lessons	3	133	29.2
Never	4	5	1.1
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	16	3.5
		456	100.0%

In teaching mathematics to the students in the TIMSS class, how often do you usually ask them to do the following? Explain their answers

Variable Name : BTBMASEA Mat\How Often Ask\Explain Answers Q21h
Record Number : 1
Position : 157-157
Format : N1.0
Comment : TQM2-21H: New Question

Response	Codes Percent	Unweighted Frequency	
Every or almost every lesson	1	194	42.5
About half the lessons	2	118	25.9
Some lessons	3	81	17.8
Never	4	3	0.7
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

In teaching mathematics to the students in the TIMSS class, how often do you usually ask them to do the following? Decide on their own procedures for solving complex problems

Variable Name : BTBMASCP Mat\How Often Ask\Decide On Own Q21i
Record Number : 1
Position : 158-158
Format : N1.0
Comment : TQM2-21I: New Question

Response	Codes Percent	Unweighted Frequency	
Every or almost every lesson	1	93	20.4
About half the lessons	2	144	31.6
Some lessons	3	145	31.8
Never	4	14	3.1
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

In your view, to what extent do the following limit how you teach the TIMSS class? Students with different academic abilities

Variable Name : BTBGLT01 Gen\Limit To Teach\Different Academic Abilities Q22a
Record Number : 1
Position : 159-159
Format : N1.0
Comment : TQM2-22A: Modified from TIMSS99: TQM2B-14A BTBMLM01

Response	Codes Percent	Unweighted Frequency	
Not applicable	1	13	2.9
Not at all	2	38	8.3
A little	3	134	29.4
Some	4	128	28.1
A lot	5	78	17.1
Not administered	8	45	9.9
Omitted	9	20	4.4
		456	100.0%

In your view, to what extent do the following limit how you teach the TIMSS class? Students who come from a wide range of backgrounds (e.g., economic, language)

Variable Name : BTBGLT02 Gen\Limit To Teach\Wide Range Of Backgrounds Q22b
Record Number : 1
Position : 160-160
Format : N1.0
Comment : TQM2-22B: Modified from TIMSS99: TQM2B-14B BTBMLM02

Response	Codes Percent	Unweighted Frequency	
Not applicable	1	19	4.2
Not at all	2	134	29.4
A little	3	123	27.0
Some	4	89	19.5
A lot	5	25	5.5
Not administered	8	45	9.9
Omitted	9	21	4.6
		456	100.0%

In your view, to what extent do the following limit how you teach the TIMSS class? Students with special needs, (e.g., hearing, vision, speech impairment, physical disabilities, mental or emotional/psychological impairment)

Variable Name : BTBGLT03 Gen\Limit To Teach\Special Needs Q22c
Record Number : 1
Position : 161-161
Format : N1.0
Comment : TQM2-22C: Modified from TIMSS99: TQM2B-14C BTBMLM03

Response	Codes Percent	Unweighted Frequency	
Not applicable	1	59	12.9
Not at all	2	113	24.8
A little	3	120	26.3
Some	4	69	15.1
A lot	5	30	6.6
Not administered	8	45	9.9
Omitted	9	20	4.4
		456	100.0%

In your view, to what extent do the following limit how you teach the TIMSS class? Uninterested students

Variable Name : BTBGLT04 Gen\Limit To Teach\Uninterested Students Q22d
Record Number : 1
Position : 162-162
Format : N1.0
Comment : TQM2-22D: Modified from TIMSS99: TQM2B-14D BTBMLM04

Response	Codes Percent	Unweighted Frequency	
Not applicable	1	5	1.1
Not at all	2	54	11.8
A little	3	144	31.6
Some	4	115	25.2
A lot	5	73	16.0
Not administered	8	45	9.9
Omitted	9	20	4.4
		456	100.0%

In your view, to what extent do the following limit how you teach the TIMSS class? Low morale among students

Variable Name : BTBGLT05 Gen\Limit To Teach\Low Morale Among Students Q22e
Record Number : 1
Position : 163-163
Format : N1.0
Comment : TQM2-22E: Modified from TIMSS99: TQM2B-14O BTBMLM15

Response	Codes Percent	Unweighted Frequency	
Not applicable	1	15	3.3
Not at all	2	87	19.1
A little	3	159	34.9
Some	4	90	19.7
A lot	5	40	8.8
Not administered	8	45	9.9
Omitted	9	20	4.4
		456	100.0%

In your view, to what extent do the following limit how you teach the TIMSS class? Disruptive students

Variable Name : BTBGLT06 Gen\Limit To Teach\Disruptive Students Q22f
Record Number : 1
Position : 164-164
Format : N1.0
Comment : TQM2-22F: Modified from TIMSS99: TQM2B-14E BTBMLM05

Response	Codes Percent	Unweighted Frequency	
Not applicable	1	6	1.3
Not at all	2	70	15.4
A little	3	170	37.3
Some	4	99	21.7
A lot	5	46	10.1
Not administered	8	45	9.9
Omitted	9	20	4.4
		456	100.0%

In your view, to what extent do the following limit how you teach the TIMSS class? Shortage of computer hardware

Variable Name : BTBGLT07 Gen\Limit To Teach\Shortage Computer Hardware Q22g
Record Number : 1
Position : 165-165
Format : N1.0
Comment : TQM2-22G: Modified from TIMSS99: TQM2B-14H BTBMLM08

Response	Codes Percent	Unweighted Frequency	
Not applicable	1	53	11.6
Not at all	2	153	33.6
A little	3	66	14.5
Some	4	71	15.6
A lot	5	47	10.3
Not administered	8	45	9.9
Omitted	9	21	4.6
		456	100.0%

In your view, to what extent do the following limit how you teach the TIMSS class? Shortage of computer software

Variable Name : BTBGLT08 Gen\Limit To Teach\Shortage Computer Software Q22h
Record Number : 1
Position : 166-166
Format : N1.0
Comment : TQM2-22H: Modified from TIMSS99: TQM2B-14I BTBMLM09

Response	Codes Percent	Unweighted Frequency	
Not applicable	1	54	11.8
Not at all	2	147	32.2
A little	3	76	16.7
Some	4	58	12.7
A lot	5	56	12.3
Not administered	8	45	9.9
Omitted	9	20	4.4
		456	100.0%

In your view, to what extent do the following limit how you teach the TIMSS class? Shortage of support for using computers

Variable Name : BTBGLT09 Gen\Limit To Teach\Support Computer Use Q22i
Record Number : 1
Position : 167-167
Format : N1.0
Comment : TQM2-22I: New Question

Response	Codes Percent	Unweighted Frequency	
Not applicable	1	48	10.5
Not at all	2	175	38.4
A little	3	79	17.3
Some	4	54	11.8
A lot	5	34	7.5
Not administered	8	45	9.9
Omitted	9	21	4.6
		456	100.0%

In your view, to what extent do the following limit how you teach the TIMSS class? Shortage of textbooks for student use

Variable Name : BTBGLT10 Gen\Limit To Teach\Textbooks For Student Use Q22j
Record Number : 1
Position : 168-168
Format : N1.0
Comment : TQM2-22J: New Question

Response	Codes Percent	Unweighted Frequency	
Not applicable	1	67	14.7
Not at all	2	281	61.6
A little	3	21	4.6
Some	4	15	3.3
A lot	5	5	1.1
Not administered	8	45	9.9
Omitted	9	22	4.8
		456	100.0%

In your view, to what extent do the following limit how you teach the TIMSS class? Shortage of other instructional equipment for students' use

Variable Name : BTBGLT11 Gen\Limit To Teach\Instructional Equipment Q22k
Record Number : 1
Position : 169-169
Format : N1.0
Comment : TQM2-22K: Modified from TIMSS99: TQM2B-14J BTBMLM10

Response	Codes Percent	Unweighted Frequency	
Not applicable	1	40	8.8
Not at all	2	216	47.4
A little	3	76	16.7
Some	4	47	10.3
A lot	5	12	2.6
Not administered	8	45	9.9
Omitted	9	20	4.4
		456	100.0%

In your view, to what extent do the following limit how you teach the TIMSS class? Shortage of equipment for your use in demonstrations and other exercises

Variable Name : BTBGLT12 Gen\Limit To Teach\Demonstration Equipment Q22l
Record Number : 1
Position : 170-170
Format : N1.0
Comment : TQM2-22L: Modified from TIMSS99: TQM2B-14K BTBMLM11

Response	Codes Percent	Unweighted Frequency	
Not applicable	1	30	6.6
Not at all	2	205	45.0
A little	3	95	20.8
Some	4	45	9.9
A lot	5	16	3.5
Not administered	8	45	9.9
Omitted	9	20	4.4
		456	100.0%

In your view, to what extent do the following limit how you teach the TIMSS class? Inadequate physical facilities

Variable Name : BTBGLT13 Gen\Limit To Teach\Inadequate Physical Facilities Q22m
Record Number : 1
Position : 171-171
Format : N1.0
Comment : TQM2-22M: Modified from TIMSS99: QTM2B-14L BTBMLM12

Response	Codes Percent	Unweighted Frequency	
Not applicable	1	54	11.8
Not at all	2	249	54.6
A little	3	59	12.9
Some	4	19	4.2
A lot	5	10	2.2
Not administered	8	45	9.9
Omitted	9	20	4.4
		456	100.0%

In your view, to what extent do the following limit how you teach the TIMSS class? High student/teacher ratio

Variable Name : BTBGLT14 Gen\Limit To Teach\High Student Teacher Q22n
Record Number : 1
Position : 172-172
Format : N1.0
Comment : TQM2-22N: Modified from TIMSS99: TQM2B-14M BTBMLM13

Response	Codes Percent	Unweighted Frequency	
Not applicable	1	37	8.1
Not at all	2	173	37.9
A little	3	94	20.6
Some	4	57	12.5
A lot	5	30	6.6
Not administered	8	45	9.9
Omitted	9	20	4.4
		456	100.0%

By the end of this school year, approximately what percentage of teaching time will you have spent during this school year on each of the following mathematics content areas for the TIMSS class? Number

Variable Name : BTBMCNUM Mat\Percentage Of Teaching Spent\Number Q23a
Record Number : 1
Position : 173-175
Format : N3.0
Comment : TQM2-23A: New Question

Response	Codes Percent	Unweighted Frequency	
0-80		394	86.4
Not administered	998	45	9.9
Omitted	999	17	3.7
		456	100.0%

By the end of this school year, approximately what percentage of teaching time will you have spent during this school year on each of the following mathematics content areas for the TIMSS class? Geometry

Variable Name : BTBMCGEO Mat\Percentage Of Teaching Spent\Geometry Q23b
Record Number : 1
Position : 176-178
Format : N3.0
Comment : TQM2-23B: New Question

Response	Codes Percent	Unweighted Frequency	
0-90		394	86.4
Not administered	998	45	9.9
Omitted	999	17	3.7
		456	100.0%

By the end of this school year, approximately what percentage of teaching time will you have spent during this school year on each of the following mathematics content areas for the TIMSS class? Algebra

Variable Name : BTBMCALG Mat\Percentage Of Teaching Spent\Algebra Q23c
Record Number : 1
Position : 179-181
Format : N3.0
Comment : TQM2-23C: New Question

Response	Codes Percent	Unweighted Frequency	
5-95		393	86.2
Not administered	998	45	9.9
Omitted	999	18	4.0
		456	100.0%

By the end of this school year, approximately what percentage of teaching time will you have spent during this school year on each of the following mathematics content areas for the TIMSS class? Data

Variable Name : BTBMCDAT Mat\Percentage Of Teaching Spent\Data Q23d
Record Number : 1
Position : 182-184
Format : N3.0
Comment : TQM2-23D: New Question

Response	Codes Percent	Unweighted Frequency	
0-45		394	86.4
Not administered	998	45	9.9
Omitted	999	17	3.7
		456	100.0%

By the end of this school year, approximately what percentage of teaching time will you have spent during this school year on each of the following mathematics content areas for the TIMSS class? Measurement

Variable Name : BTBMCMEA Mat\Percentage Of Teaching Spent\Measurement Q23e
 Record Number : 1
 Position : 185-187
 Format : N3.0
 Comment : TQM2-23E: New Question

Response	Codes Percent	Unweighted Frequency	
0-30		394	86.4
Not administered	998	45	9.9
Omitted	999	17	3.7
		456	100.0%

By the end of this school year, approximately what percentage of teaching time will you have spent during this school year on each of the following mathematics content areas for the TIMSS class? Other

Variable Name : BTBMCOTH Mat\Percentage Of Teaching Spent\Other Q23f
 Record Number : 1
 Position : 188-190
 Format : N3.0
 Comment : TQM2-23F: New Question

Response	Codes Percent	Unweighted Frequency	
0-40		380	83.3
Not administered	998	45	9.9
Omitted	999	31	6.8
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Whole numbers - place value, factorization, the four operations

Variable Name : BTBMT001 Mat\Taught Topic\Number\Whole Numbers Q24Aa
 Record Number : 1
 Position : 191-191
 Format : N1.0
 Comment : TQM2-24AA: Modified from TIMSS99: TQM2B-13A01B BTBMTT01 BTBMTB01 BTBMTN01

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	337	73.9
Mostly taught this year	2	59	12.9
Not yet taught or just introduced	3	0	0.0
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Computations, estimations, or approximations involving whole numbers

Variable Name : BTBMT002 Mat\Taught Topic\Number\Computations Estimation Q24Ab
Record Number : 1
Position : 192-192
Format : N1.0
Comment : TQM2-24AB: New Question

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	327	71.7
Mostly taught this year	2	65	14.3
Not yet taught or just introduced	3	4	0.9
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Common fractions incl. equivalent fractions, ordering of fractions

Variable Name : BTBMT003 Mat\Taught Topic\Number\Common Fractions Q24Ac
Record Number : 1
Position : 193-193
Format : N1.0
Comment : TQM2-24AC: Modified from TIMSS99: TQM2B-13A03B BTBMTT03 BTBMTB03 BTBMTN03

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	302	66.2
Mostly taught this year	2	93	20.4
Not yet taught or just introduced	3	1	0.2
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Decimal fractions

Variable Name : BTBMT004 Mat\Taught Topic\Number\Decimal Fraction Q24Ad
Record Number : 1
Position : 194-194
Format : N1.0
Comment : TQM2-24AD: Modified from TIMSS99: TQM2B-13A05B BTBMTT05 BTBMTB05 BTBMTN05

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	283	62.1
Mostly taught this year	2	111	24.3
Not yet taught or just introduced	3	1	0.2
Not administered	8	45	9.9
Omitted	9	16	3.5
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Representing decimals and fractions using words, numbers, or models

Variable Name : BTBMT005 Mat\Taught Topic\Number\Representing Decimals Q24Ae
Record Number : 1
Position : 195-195
Format : N1.0
Comment : TQM2-24AE: Modified from TIMSS99: TQM2B-13A04B BTBMTT04 BTBMTB04 BTBMTN04

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	269	59.0
Mostly taught this year	2	126	27.6
Not yet taught or just introduced	3	0	0.0
Not administered	8	45	9.9
Omitted	9	16	3.5
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Computations with fractions

Variable Name : BTBMT006 Mat\Taught Topic\Number\Compute Fraction Q24Af
Record Number : 1
Position : 196-196
Format : N1.0
Comment : TQM2-24AF: Modified from TIMSS99: BTM2B-13A03B BTBMTT03 BTBMTB03 BTBMTN03

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	266	58.3
Mostly taught this year	2	129	28.3
Not yet taught or just introduced	3	1	0.2
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Computations with decimals

Variable Name : BTBMT007 Mat\Taught Topic\Number\Compute Decimals Q24Ag
Record Number : 1
Position : 197-197
Format : N1.0
Comment : TQM2-24AG: Modified from TIMSS99: TQM2B-13A05B BTBMTT05 BTBMTB05 BTBMTN05

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	277	60.8
Mostly taught this year	2	117	25.7
Not yet taught or just introduced	3	1	0.2
Not administered	8	45	9.9
Omitted	9	16	3.5
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Integers

Variable Name : BTBMT008 Mat\Taught Topic\Number\Integers Q24Ah
Record Number : 1
Position : 198-198
Format : N1.0
Comment : TQM2-24AH: New Question

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	135	29.6
Mostly taught this year	2	251	55.0
Not yet taught or just introduced	3	7	1.5
Not administered	8	45	9.9
Omitted	9	18	4.0
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Ratios

Variable Name : BTBMT009 Mat\Taught Topic\Number\Ratios Q24Ai
Record Number : 1
Position : 199-199
Format : N1.0
Comment : TQM2-24AI: New Question

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	153	33.6
Mostly taught this year	2	232	50.9
Not yet taught or just introduced	3	10	2.2
Not administered	8	45	9.9
Omitted	9	16	3.5
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Conversion of percents to fractions or decimals, and vice versa

Variable Name : BTBMT010 Mat\Taught Topic\Number\Conversion Percents Q24Aj
Record Number : 1
Position : 200-200
Format : N1.0
Comment : TQM2-24AJ: New Question

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	191	41.9
Mostly taught this year	2	201	44.1
Not yet taught or just introduced	3	4	0.9
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Numeric, algebraic, and geometric patterns or sequences

Variable Name : BTBMT011 Mat\Taught Topic\Algebra\Numeric Pattern Q24Ba
Record Number : 1
Position : 201-201
Format : N1.0
Comment : TQM2-24BA: Modified from TIMSS99: TQM2B-E27B BTBMTT27 BTBMTB27 BTBMTN27

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	55	12.1
Mostly taught this year	2	316	69.3
Not yet taught or just introduced	3	24	5.3
Not administered	8	45	9.9
Omitted	9	16	3.5
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Sums, products, and powers of expressions containing variables

Variable Name : BTBMT012 Mat\Taught Topic\Algebra\Sum Variables Q24Bb
Record Number : 1
Position : 202-202
Format : N1.0
Comment : TQM2-24BB: New Question

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	24	5.3
Mostly taught this year	2	344	75.4
Not yet taught or just introduced	3	29	6.4
Not administered	8	45	9.9
Omitted	9	14	3.1
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Simple linear equations and inequalities, simultaneous equations

Variable Name : BTBMT013 Mat\Taught Topic\Algebra\Linear Equation Q24Bc
Record Number : 1
Position : 203-203
Format : N1.0
Comment : TQM2-24BC: Modified from TIMSS99: TQM2B-13E30B BTBMTT30 BTBMTB30 BTBMTN30

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	15	3.3
Mostly taught this year	2	297	65.1
Not yet taught or just introduced	3	84	18.4
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Equivalent representations of functions

Variable Name : BTBMT014 Mat\Taught Topic\Algebra\Equivalent Representations Q24Bd
Record Number : 1
Position : 204-204
Format : N1.0
Comment : TQM2-24BD: Modified from TIMSS99: TQM2B-13E29B BTBMTT29 BTBMTB29 BTBMTN29

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	29	6.4
Mostly taught this year	2	304	66.7
Not yet taught or just introduced	3	64	14.0
Not administered	8	45	9.9
Omitted	9	14	3.1
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Proportional, linear, and nonlinear relationships

Variable Name : BTBMT015 Mat\Taught Topic\Algebra\Relationships Q24Be
Record Number : 1
Position : 205-205
Format : N1.0
Comment : TQM2-24BE: New Question

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	17	3.7
Mostly taught this year	2	226	49.6
Not yet taught or just introduced	3	153	33.6
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Attributes of a graph

Variable Name : BTBMT016 Mat\Taught Topic\Algebra\Graph Attributes Q24Bf
Record Number : 1
Position : 206-206
Format : N1.0
Comment : TQM2-24BF: New Question

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	16	3.5
Mostly taught this year	2	248	54.4
Not yet taught or just introduced	3	132	29.0
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Standard units for measures

Variable Name : BTBMT017 Mat\Taught Topic\Measure\Standard Units Q24Ca
Record Number : 1
Position : 207-207
Format : N1.0
Comment : TQM2-24CA: Modified from TIMSS99: TQM2B-13B13B BTBMTT13 BTBMTB13 BTBMTN13

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	201	44.1
Mostly taught this year	2	182	39.9
Not yet taught or just introduced	3	14	3.1
Not administered	8	45	9.9
Omitted	9	14	3.1
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Relationships among units f/conversions: systems of units and rates

Variable Name : BTBMT018 Mat\Taught Topic\Measure\Relationships Q24Cb
Record Number : 1
Position : 208-208
Format : N1.0
Comment : TQM2-24CB: New Question

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	187	41.0
Mostly taught this year	2	171	37.5
Not yet taught or just introduced	3	38	8.3
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Use standard tools of measurement

Variable Name : BTBMT019 Mat\Taught Topic\Measure\Standard Tools Q24Cc
Record Number : 1
Position : 209-209
Format : N1.0
Comment : TQM2-24CC: New Question

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	248	54.4
Mostly taught this year	2	127	27.9
Not yet taught or just introduced	3	20	4.4
Not administered	8	45	9.9
Omitted	9	16	3.5
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Estimation of length, circum., area, vol., wgt, time, angle, speed

Variable Name : BTBMT020 Mat\Taught Topic\Measure\Estimations Q24Cd
Record Number : 1
Position : 210-210
Format : N1.0
Comment : TQM2-24CD: Modified from TIMSS99: TQM2B-13B15B BTBMTT15 BTBMTB15 BTBMTN15

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	138	30.3
Mostly taught this year	2	216	47.4
Not yet taught or just introduced	3	43	9.4
Not administered	8	45	9.9
Omitted	9	14	3.1
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Computations with measurements in problem situations

Variable Name : BTBMT021 Mat\Taught Topic\Measure\Computations Q24Ce
Record Number : 1
Position : 211-211
Format : N1.0
Comment : TQM2-24CE: New Question

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	113	24.8
Mostly taught this year	2	225	49.3
Not yet taught or just introduced	3	58	12.7
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Measurement formulas

Variable Name : BTBMT022 Mat\Taught Topic\Measure\Measurement Formulas Q24Cf
Record Number : 1
Position : 212-212
Format : N1.0
Comment : TQM2-24CF: Modified from TIMSS99: TQM2B-13B16B BTBMTT16 BTBMTB16 BTBMTN16

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	125	27.4
Mostly taught this year	2	239	52.4
Not yet taught or just introduced	3	33	7.2
Not administered	8	45	9.9
Omitted	9	14	3.1
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Measures of irregular or compound areas

Variable Name : BTBMT023 Mat\Taught Topic\Measure\Measures Irregular Q24Cg
Record Number : 1
Position : 213-213
Format : N1.0
Comment : TQM2-24CG: Modified from TIMSS99: TQM2B-13B17B BTBMTT17 BTBMTB17 BTBMTN17

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	92	20.2
Mostly taught this year	2	144	31.6
Not yet taught or just introduced	3	159	34.9
Not administered	8	45	9.9
Omitted	9	16	3.5
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Precision of measurements

Variable Name : BTBMT024 Mat\Taught Topic\Measure\Measurements Precision Q24Ch
Record Number : 1
Position : 214-214
Format : N1.0
Comment : TQM2-24CH: Modified from TIMSS99: TQM2B-13B15B BTBMTT15 BTBMTB15 BTBMTN15

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	129	28.3
Mostly taught this year	2	98	21.5
Not yet taught or just introduced	3	170	37.3
Not administered	8	45	9.9
Omitted	9	14	3.1
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Angles

Variable Name : BTBMT025 Mat\Taught Topic\Geometry\Angles Q24Da
Record Number : 1
Position : 215-215
Format : N1.0
Comment : TQM2-24DA: New Question

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	184	40.4
Mostly taught this year	2	174	38.2
Not yet taught or just introduced	3	38	8.3
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Relationships for angles

Variable Name : BTBMT026 Mat\Taught Topic\Geometry\Angle Relationships Q24Db
Record Number : 1
Position : 216-216
Format : N1.0
Comment : TQM2-24DB: New Question

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	100	21.9
Mostly taught this year	2	197	43.2
Not yet taught or just introduced	3	99	21.7
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Properties of angle bisectors and perpendicular bisectors of lines

Variable Name : BTBMT027 Mat\Taught Topic\Geometry\Bisectors Q24Dc
Record Number : 1
Position : 217-217
Format : N1.0
Comment : TQM2-24DC: New Question

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	90	19.7
Mostly taught this year	2	101	22.2
Not yet taught or just introduced	3	203	44.5
Not administered	8	45	9.9
Omitted	9	17	3.7
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Properties of geometric shapes: triangles and quadrilaterals

Variable Name : BTBMT028 Mat\Taught Topic\Geometry\Geometric Shapes Q24Dd
Record Number : 1
Position : 218-218
Format : N1.0
Comment : TQM2-24DD: Modified from TIMSS99: TQM2B-13C21B BTBMTT21 BTBMTB21 BTBMTN21

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	148	32.5
Mostly taught this year	2	195	42.8
Not yet taught or just introduced	3	52	11.4
Not administered	8	45	9.9
Omitted	9	16	3.5
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Properties of other polygons

Variable Name : BTBMT029 Mat\Taught Topic\Geometry\Polygons Q24De
 Record Number : 1
 Position : 219-219
 Format : N1.0
 Comment : TQM2-24DE: New Question

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	146	32.0
Mostly taught this year	2	156	34.2
Not yet taught or just introduced	3	92	20.2
Not administered	8	45	9.9
Omitted	9	17	3.7
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Construct or draw triangles and rectangles of given dimensions

Variable Name : BTBMT030 Mat\Taught Topic\Geometry\Draw Triangles Q24Df
 Record Number : 1
 Position : 220-220
 Format : N1.0
 Comment : TQM2-24DF: New Question

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	133	29.2
Mostly taught this year	2	119	26.1
Not yet taught or just introduced	3	144	31.6
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Pythagorean theorem (not proof) to find length of a side

Variable Name : BTBMT031 Mat\Taught Topic\Geometry\Pythagorean Theorem Q24Dg
 Record Number : 1
 Position : 221-221
 Format : N1.0
 Comment : TQM2-24DG: New Question

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	55	12.1
Mostly taught this year	2	262	57.5
Not yet taught or just introduced	3	80	17.5
Not administered	8	45	9.9
Omitted	9	14	3.1
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Congruent figures and their corresponding measures

Variable Name : BTBMT032 Mat\Taught Topic\Geometry\Congruent Figures Q24Dh
Record Number : 1
Position : 222-222
Format : N1.0
Comment : TQM2-24DH: Modified from TIMSS99: TQM2B-13C22B BTBMTT22 BTBMTB22 BTBMTN22

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	91	20.0
Mostly taught this year	2	233	51.1
Not yet taught or just introduced	3	70	15.4
Not administered	8	45	9.9
Omitted	9	17	3.7
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Similar triangles and recall their properties

Variable Name : BTBMT033 Mat\Taught Topic\Geometry\Similarity Q24Di
Record Number : 1
Position : 223-223
Format : N1.0
Comment : TQM2-24DI: Modified from TIMSS99: TQM2B-13C22B BTBMTT22 BTBMTB22 BTBMTN22

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	87	19.1
Mostly taught this year	2	220	48.3
Not yet taught or just introduced	3	88	19.3
Not administered	8	45	9.9
Omitted	9	16	3.5
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Cartesian plane

Variable Name : BTBMT034 Mat\Taught Topic\Geometry\Cartesian Plane Q24Dj
Record Number : 1
Position : 224-224
Format : N1.0
Comment : TQM2-24DJ: Modified from TIMSS99: TQM2B-13C19B BTBMTT19 BTBMTB19 BTBMTN19

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	47	10.3
Mostly taught this year	2	250	54.8
Not yet taught or just introduced	3	100	21.9
Not administered	8	45	9.9
Omitted	9	14	3.1
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Relationships between two-dimensional and three-dimensional shapes

Variable Name : BTBMT035 Mat\Taught Topic\Geometry\Relation 2D 3D Q24Dk
Record Number : 1
Position : 225-225
Format : N1.0
Comment : TQM2-24DK: Modified from TIMSS99: TQM2B-13C24B BTBMTT24 BTBMTB24 BTBMTN24

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	62	13.6
Mostly taught this year	2	143	31.4
Not yet taught or just introduced	3	191	41.9
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Line and rotational symmetry for two-dimensional shapes

Variable Name : BTBMT036 Mat\Taught Topic\Geometry\2D Symmetry Q24DI
Record Number : 1
Position : 226-226
Format : N1.0
Comment : TQM2-24DL: Modified from TIMSS99: TQM2B-13C23B BTBMTT23 BTBMTB23 BTBMTN23

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	93	20.4
Mostly taught this year	2	158	34.7
Not yet taught or just introduced	3	145	31.8
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Translation, reflection, rotation, and enlargement

Variable Name : BTBMT037 Mat\Taught Topic\Geometry\Translation Q24Dm
Record Number : 1
Position : 227-227
Format : N1.0
Comment : TQM2-24DM: Modified from TIMSS99: TQM2B-13C23B BTBMTT23 BTBMTB23 BTBMTN23

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	88	19.3
Mostly taught this year	2	166	36.4
Not yet taught or just introduced	3	141	30.9
Not administered	8	45	9.9
Omitted	9	16	3.5
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Organizing a set of data by one or more characteristics

Variable Name : BTBMT038 Mat\Taught Topic\Data\Organizing Data Q24Ea
Record Number : 1
Position : 228-228
Format : N1.0
Comment : TQM2-24EA: Modified from TIMSS99: TQM2B-13F32B BTBMTT32 BTBMTB32 BTBMTN32

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	199	43.6
Mostly taught this year	2	178	39.0
Not yet taught or just introduced	3	20	4.4
Not administered	8	45	9.9
Omitted	9	14	3.1
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Sources of error in collecting and organizing data

Variable Name : BTBMT039 Mat\Taught Topic\Data\Sources Of Error Q24Eb
Record Number : 1
Position : 229-229
Format : N1.0
Comment : TQM2-24EB: New Question

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	109	23.9
Mostly taught this year	2	148	32.5
Not yet taught or just introduced	3	140	30.7
Not administered	8	45	9.9
Omitted	9	14	3.1
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Data collection methods

Variable Name : BTBMT040 Mat\Taught Topic\Data\Data Collection Q24Ec
Record Number : 1
Position : 230-230
Format : N1.0
Comment : TQM2-24EC: New Question

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	179	39.3
Mostly taught this year	2	134	29.4
Not yet taught or just introduced	3	84	18.4
Not administered	8	45	9.9
Omitted	9	14	3.1
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Drawing and interpreting graphs

Variable Name : BTBMT041 Mat\Taught Topic\Data\Drawing Graphs Q24Ed
Record Number : 1
Position : 231-231
Format : N1.0
Comment : TQM2-24ED: New Question

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	192	42.1
Mostly taught this year	2	188	41.2
Not yet taught or just introduced	3	17	3.7
Not administered	8	45	9.9
Omitted	9	14	3.1
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Characteristics of data sets

Variable Name : BTBMTO42 Mat\Taught Topic\Data\Characteristics Q24Ee
Record Number : 1
Position : 232-232
Format : N1.0
Comment : TQM2-24EE: New Question

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	168	36.8
Mostly taught this year	2	207	45.4
Not yet taught or just introduced	3	22	4.8
Not administered	8	45	9.9
Omitted	9	14	3.1
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Interpreting data sets

Variable Name : BTBMTO43 Mat\Taught Topic\Data\Interpreting Data Q24Ef
Record Number : 1
Position : 233-233
Format : N1.0
Comment : TQM2-24EF: Modified from TIMSS99: TQM2B-13F32B BTBMTT32 BTBMTB32 BTBMTN32

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	115	25.2
Mostly taught this year	2	210	46.1
Not yet taught or just introduced	3	71	15.6
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Evaluating interpretations of data

Variable Name : BTBMTO44 Mat\Taught Topic\Data\Evaluating Interpretations Q24Eg
Record Number : 1
Position : 234-234
Format : N1.0
Comment : TQM2-24EG: New Question

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	90	19.7
Mostly taught this year	2	170	37.3
Not yet taught or just introduced	3	135	29.6
Not administered	8	45	9.9
Omitted	9	16	3.5
		456	100.0%

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when students in the TIMSS class have been taught each topic. Simple probability

Variable Name : BTBMT045 Mat\Taught Topic\Data\Simple Probability Q24Eh
Record Number : 1
Position : 235-235
Format : N1.0
Comment : TQM2-24EH: Modified from TIMSS99: TQM2B-F34B BTBMTT34 BTBMTB34 BTBMTN34

Response	Codes Percent	Unweighted Frequency	
Mostly taught before this year	1	107	23.5
Mostly taught this year	2	205	45.0
Not yet taught or just introduced	3	84	18.4
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

Are the students in the TIMSS class permitted to use calculators during mathematics lessons?

Variable Name : BTBMCAML Mat\Calculator\Use Permitted For Students Q25
Record Number : 1
Position : 236-236
Format : N1.0
Comment : TQM2-25: New Question

Response	Codes Percent	Unweighted Frequency	
Yes, with unrestricted use	1	117	25.7
Yes, with restricted use	2	247	54.2
No, calculators are not permitted	3	24	5.3
Not administered	8	45	9.9
Omitted	9	23	5.0
		456	100.0%

How many students in the TIMSS class have calculators available to use during mathematics lessons?

Variable Name : BTBMHSHC Mat\Calculator\Available During Math Lessons Q26
Record Number : 1
Position : 237-237
Format : N1.0
Comment : TQM2-26: New Question

Response	Codes Percent	Unweighted Frequency	
All	1	280	61.4
Most	2	58	12.7
About half	3	13	2.9
Some	4	19	4.2
None	5	2	0.4
Missing	6	24	5.3
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

How many students in the TIMSS class have graphing calculators available to use during mathematics lessons?

Variable Name : BTBMHSGC Mat\Calculator\Students Have It Available Q27
Record Number : 1
Position : 238-238
Format : N1.0
Comment : TQM2-27: New Question

Response	Codes Percent	Unweighted Frequency	
All	1	100	21.9
Most	2	16	3.5
About half	3	8	1.8
Some	4	68	14.9
None	5	180	39.5
Missing	6	24	5.3
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

How often do students in the TIMSS class use calculators in their mathematics lessons for the following activities? Check answers

Variable Name : BTBMCALA Mat\Calculator\Use\Check Answers Q28a
Record Number : 1
Position : 239-239
Format : N1.0
Comment : TQM2-28A: Modified from TIMSS99: TQM2B-7A BTBMCAL1

Response	Codes Percent	Unweighted Frequency	
Every or almost every lesson	1	146	32.0
About half the lessons	2	72	15.8
Some lessons	3	137	30.0
Never	4	18	4.0
Missing	6	24	5.3
Not administered	8	45	9.9
Omitted	9	14	3.1
		456	100.0%

How often do students in the TIMSS class use calculators in their mathematics lessons for the following activities? Do routine computations

Variable Name : BTBMCALR Mat\Calculator\Use\Do Routine Computations Q28b
Record Number : 1
Position : 240-240
Format : N1.0
Comment : TQM2-28B: Modified from TIMSS99: TQM2B-7C BTBMCAL3

Response	Codes Percent	Unweighted Frequency	
Every or almost every lesson	1	126	27.6
About half the lessons	2	85	18.6
Some lessons	3	116	25.4
Never	4	44	9.7
Missing	6	24	5.3
Not administered	8	45	9.9
Omitted	9	16	3.5
		456	100.0%

How often do students in the TIMSS class use calculators in their mathematics lessons for the following activities? Solve complex problems

Variable Name : BTBMCALS Mat\Calculator\Use\Solve Complex Problems Q28c
Record Number : 1
Position : 241-241
Format : N1.0
Comment : TQM2-28C: Modified from TIMSS99: TQM2-7D BTBMCAL4

Response	Codes Percent	Unweighted Frequency	
Every or almost every lesson	1	189	41.5
About half the lessons	2	84	18.4
Some lessons	3	90	19.7
Never	4	8	1.8
Missing	6	24	5.3
Not administered	8	45	9.9
Omitted	9	16	3.5
		456	100.0%

How often do students in the TIMSS class use calculators in their mathematics lessons for the following activities? Explore number concepts

Variable Name : BTBMCALE Mat\Calculator\Use\Explore Number Concepts Q28d
Record Number : 1
Position : 242-242
Format : N1.0
Comment : TQM2-28D: Modified from TIMSS99: TQM2-7E BTBMCAL5

Response	Codes Percent	Unweighted Frequency	
Every or almost every lesson	1	113	24.8
About half the lessons	2	80	17.5
Some lessons	3	150	32.9
Never	4	29	6.4
Missing	6	24	5.3
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

How often are students in the TIMSS class permitted to use calculators during tests or examinations?

Variable Name : BTBMCA TE Mat\Calculator\Permitted During Tests Q29
Record Number : 1
Position : 243-243
Format : N1.0
Comment : TQM2-29: New Question

Response	Codes Percent	Unweighted Frequency	
Always	1	127	27.9
Sometimes	2	212	46.5
Never	3	34	7.5
Missing	6	24	5.3
Not administered	8	45	9.9
Omitted	9	14	3.1
		456	100.0%

Do students in the TIMSS class have computers available to use during their mathematics lessons? Do not include calculators.

Variable Name : BTBMCOMA Mat\Computer\Available In Math Lessons Q30A
Record Number : 1
Position : 244-244
Format : N1.0
Comment : TQM2-30A: Modified from TIMSS99: TQM2B-8A BTBMCOM1

Response	Codes Percent	Unweighted Frequency	
Yes	1	183	40.1
No	2	215	47.2
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	13	2.9
		456	100.0%

Do any of the computers have access to the Internet?

Variable Name : BTBMINTA Mat\Computer\Access To Internet Q30B
Record Number : 1
Position : 245-245
Format : N1.0
Comment : TQM2-30B: Modified from TIMSS99, TQM2B-8C BTBMINT1

Response	Codes Percent	Unweighted Frequency	
Yes	1	156	34.2
No	2	12	2.6
Missing	6	215	47.2
Not administered	8	45	9.9
Omitted	9	28	6.1
		456	100.0%

In teaching mathematics to the TIMSS class, how often do you have students use a computer for the following activities? Mathematics principles and concepts

Variable Name : BTBMCADM Mat\Computer\Use\Disc Math Principle Q31a
Record Number : 1
Position : 246-246
Format : N1.0
Comment : TQM2-31A: New Question

Response	Codes Percent	Unweighted Frequency	
Every or almost every lesson	1	2	0.4
About half the lessons	2	8	1.8
Some lessons	3	86	18.9
Never	4	85	18.6
Missing	6	215	47.2
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

In teaching mathematics to the TIMSS class, how often do you have students use a computer for the following activities? Practice skills and procedures

Variable Name : BTBMCASP Mat\Computer\Use\Practice Skills Q31b
Record Number : 1
Position : 247-247
Format : N1.0
Comment : TQM2-31B: New Question

Response	Codes Percent	Unweighted Frequency	
Every or almost every lesson	1	4	0.9
About half the lessons	2	16	3.5
Some lessons	3	92	20.2
Never	4	69	15.1
Missing	6	215	47.2
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

In teaching mathematics to the TIMSS class, how often do you have students use a computer for the following activities? Look up ideas and information

Variable Name : BTBMCALI Mat\Computer\Use\Look Up Ideas Q31c
Record Number : 1
Position : 248-248
Format : N1.0
Comment : TQM2-31C: New Question

Response	Codes Percent	Unweighted Frequency	
Every or almost every lesson	1	5	1.1
About half the lessons	2	9	2.0
Some lessons	3	109	23.9
Never	4	58	12.7
Missing	6	215	47.2
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

In teaching mathematics to the TIMSS class, how often do you have students use a computer for the following activities? Process and analyze data

Variable Name : BTBMCAPA Mat\Computer\Use\Process Data Q31d
Record Number : 1
Position : 249-249
Format : N1.0
Comment : TQM2-31D: New Question

Response	Codes Percent	Unweighted Frequency	
Every or almost every lesson	1	4	0.9
About half the lessons	2	8	1.8
Some lessons	3	95	20.8
Never	4	74	16.2
Missing	6	215	47.2
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

Do you assign mathematics homework to the TIMSS class?

Variable Name : BTBMHMWO Mat\Homework\Do You Assign Math Homework Q32
Record Number : 1
Position : 250-250
Format : N1.0
Comment : TQM2-32: New Question

Response	Codes Percent	Unweighted Frequency	
Yes	1	395	86.6
No	2	3	0.7
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	13	2.9
		456	100.0%

How often do you usually assign mathematics homework to the TIMSS class?

Variable Name : BTBMHWMC Mat\Homework\Frequency Of Math Homework Q33
Record Number : 1
Position : 251-251
Format : N1.0
Comment : TQM2-33: Modified from TIMSS99: TQM2B-15 BTBMHMW2

Response	Codes Percent	Unweighted Frequency	
Every or almost every lesson	1	347	76.1
About half the lessons	2	29	6.4
Some lessons	3	17	3.7
Missing	6	3	0.7
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

**When you assign mathematics homework to the TIMSS class, about how many minutes do you usually assign?
(Consider the time it would take an average student in your class to complete the assignment.)**

Variable Name : BTBMHWKM Mat\Homework\Minutes Assign In TIMSS Class Q34
Record Number : 1
Position : 252-252
Format : N1.0
Comment : TQM2-34: Modified from TIMSS99: TQM2B-16 BTBMHWMA

Response	Codes Percent	Unweighted Frequency	
Fewer than 15 minutes	1	25	5.5
15-30 minutes	2	267	58.6
31-60 minutes	3	96	21.1
61-90 minutes	4	2	0.4
More than 90 minutes	5	0	0.0
Missing	6	3	0.7
Not administered	8	45	9.9
Omitted	9	18	4.0
		456	100.0%

**How often do you assign the following kinds of mathematics homework to the TIMSS class? Doing
problem/question sets**

Variable Name : BTBMKHCP Mat\Assign Kinds Of Homework\Problem Q35a
Record Number : 1
Position : 253-253
Format : N1.0
Comment : TQM2-35A: Modified from TIMSS99: TQM2B-17B BTBMPROR

Response	Codes Percent	Unweighted Frequency	
Always or almost always	1	321	70.4
Sometimes	2	70	15.4
Never or almost never	3	3	0.7
Missing	6	3	0.7
Not administered	8	45	9.9
Omitted	9	14	3.1
		456	100.0%

How often do you assign the following kinds of mathematics homework to the TIMSS class? Gathering data and reporting

Variable Name : BTBMKHCG Mat\Assign Kinds Of Homework\Gather Data Q35b
Record Number : 1
Position : 254-254
Format : N1.0
Comment : TQM2-35B: New Question

Response	Codes Percent	Unweighted Frequency	
Always or almost always	1	7	1.5
Sometimes	2	212	46.5
Never or almost never	3	168	36.8
Missing	6	3	0.7
Not administered	8	45	9.9
Omitted	9	21	4.6
		456	100.0%

How often do you assign the following kinds of mathematics homework to the TIMSS class? Finding one or more applications of the content covered

Variable Name : BTBMKHCA Mat\Assign Kinds Of Homework\Find Applications Q35c
Record Number : 1
Position : 255-255
Format : N1.0
Comment : TQM2-35C: New Question

Response	Codes Percent	Unweighted Frequency	
Always or almost always	1	43	9.4
Sometimes	2	203	44.5
Never or almost never	3	142	31.1
Missing	6	3	0.7
Not administered	8	45	9.9
Omitted	9	20	4.4
		456	100.0%

How often do you do the following with the mathematics homework assignments? Monitor whether or not the homework was completed

Variable Name : BTBMHDAM Mat\Homework Assignments\Monitor Completion Q36a
Record Number : 1
Position : 256-256
Format : N1.0
Comment : TQM2-36A: Modified from TIMSS99: TQM2B-18A BTBMWHR1

Response	Codes Percent	Unweighted Frequency	
Always or almost always	1	355	77.9
Sometimes	2	37	8.1
Never or almost never	3	0	0.0
Missing	6	3	0.7
Not administered	8	45	9.9
Omitted	9	16	3.5
		456	100.0%

How often do you do the following with the mathematics homework assignments? Correct assignments and then give feedback to students

Variable Name : BTBMHDAF Mat\Homework Assignments\Correct Assignments Q36b
Record Number : 1
Position : 257-257
Format : N1.0
Comment : TQM2-36B: New Question

Response	Codes Percent	Unweighted Frequency	
Always or almost always	1	178	39.0
Sometimes	2	173	37.9
Never or almost never	3	41	9.0
Missing	6	3	0.7
Not administered	8	45	9.9
Omitted	9	16	3.5
		456	100.0%

How often do you do the following with the mathematics homework assignments? Have students correct their own homework in class

Variable Name : BTBMHDAC Mat\Homework Assignments\Have Students Correct Q36c
Record Number : 1
Position : 258-258
Format : N1.0
Comment : TQM2-36C: Modified from TIMSS99: TQM2B-18E BTBMWHR5

Response	Codes Percent	Unweighted Frequency	
Always or almost always	1	217	47.6
Sometimes	2	149	32.7
Never or almost never	3	27	5.9
Missing	6	3	0.7
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

How often do you do the following with the mathematics homework assignments? Use the homework as a basis for class discussion

Variable Name : BTBMHDAD Mat\Homework Assignments\Use Homework Q36d
Record Number : 1
Position : 259-259
Format : N1.0
Comment : TQM2-36D: Modified from TIMSS99: TQM2B-18G BTBMWHR7

Response	Codes Percent	Unweighted Frequency	
Always or almost always	1	197	43.2
Sometimes	2	189	41.5
Never or almost never	3	8	1.8
Missing	6	3	0.7
Not administered	8	45	9.9
Omitted	9	14	3.1
		456	100.0%

How often do you do the following with the mathematics homework assignments? Use the homework to contribute towards students' grades or marks

Variable Name : BTBMHDAG Mat\Homework Assignments\Contribute Q36e
Record Number : 1
Position : 260-260
Format : N1.0
Comment : TQM2-36E: Modified from TIMSS99: TQM2B-18h BTBMWHR8

Response	Codes Percent	Unweighted Frequency	
Always or almost always	1	307	67.3
Sometimes	2	74	16.2
Never or almost never	3	12	2.6
Missing	6	3	0.7
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

How often do you give a mathematics test or examination to the TIMSS class? Do not include quizzes.

Variable Name : BTBMTEEX Mat\Test\How Often Give In Math Q37
Record Number : 1
Position : 261-261
Format : N1.0
Comment : TQM2-37: New Question

Response	Codes Percent	Unweighted Frequency	
About once a week	1	74	16.2
About every two weeks	2	210	46.1
About once a month	3	101	22.2
A few times a year	4	12	2.6
Never	5	1	0.2
Not administered	8	45	9.9
Omitted	9	13	2.9
		456	100.0%

What item formats do you typically use in your mathematics tests or examinations? Do not include quizzes.

Variable Name : BTBMWFTU Mat\Test\Item Formats Used Q38
Record Number : 1
Position : 262-262
Format : N1.0
Comment : TQM2-38: New Question

Response	Codes Percent	Unweighted Frequency	
Only constructed-response	1	59	12.9
Mostly constructed-response	2	155	34.0
About half constructed-response	3	122	26.8
Mostly objective	4	49	10.8
Only objective	5	8	1.8
Missing	6	1	0.2
Not administered	8	45	9.9
Omitted	9	17	3.7
		456	100.0%

How often do you include the following types of questions in your mathematics tests or examinations? Do not include quizzes. Questions involving application of mathematical procedures

Variable Name : BTBMTEAP Mat\Test Questions\Math Applications Q39a
Record Number : 1
Position : 263-263
Format : N1.0
Comment : TQM2-39A: New Question

Response	Codes Percent	Unweighted Frequency	
Always or almost always	1	268	58.8
Sometimes	2	124	27.2
Never or almost never	3	4	0.9
Missing	6	1	0.2
Not administered	8	45	9.9
Omitted	9	14	3.1
		456	100.0%

How often do you include the following types of questions in your mathematics tests or examinations? Do not include quizzes. Questions involving searching for patterns and relationships

Variable Name : BTBMTESP Mat\Test Questions\Searching For Pattern Q39b
 Record Number : 1
 Position : 264-264
 Format : N1.0
 Comment : TQM2-39B: New Question

Response	Codes Percent	Unweighted Frequency	
Always or almost always	1	78	17.1
Sometimes	2	276	60.5
Never or almost never	3	39	8.6
Missing	6	1	0.2
Not administered	8	45	9.9
Omitted	9	17	3.7
		456	100.0%

How often do you include the following types of questions in your mathematics tests or examinations? Do not include quizzes. Questions requiring explanations or justifications

Variable Name : BTBMTEJU Mat\Test Questions\Explanations Or Justification Q39c
 Record Number : 1
 Position : 265-265
 Format : N1.0
 Comment : TQM2-39C: New Question

Response	Codes Percent	Unweighted Frequency	
Always or almost always	1	105	23.0
Sometimes	2	242	53.1
Never or almost never	3	48	10.5
Missing	6	1	0.2
Not administered	8	45	9.9
Omitted	9	15	3.3
		456	100.0%

Variable Name : BTDGTELC Math Teacher Has Full License Or Certificate
 Record Number : 1
 Position : 266-266
 Format : N1.0
 Comment : Derived Variable

Response	Codes Percent	Unweighted Frequency	
Yes	1	366	80.3
No	2	29	6.4
Missing	6	0	0.0
Not administered	8	45	9.9
Omitted	9	16	3.5
		456	100.0%

Variable Name : BTDMSTUD Class Size For Mathematics Instruction
Record Number : 1
Position : 267-267
Format : N1.0
Comment : Derived Variable

Response	Codes Percent	Unweighted Frequency	
1-24 students	1	218	47.8
25-32 students	2	138	30.3
33-40 students	3	17	3.7
41 or more students	4	5	1.1
Not administered	8	45	9.9
Omitted	9	33	7.2
		456	100.0%

Variable Name : BTDMMLT Index Teacher Report Math Class W/O Limiting Factors (Mctl)
Record Number : 1
Position : 268-268
Format : N1.0
Comment : Derived Variable

Response	Codes Percent	Unweighted Frequency	
High	1	188	41.2
Medium	2	125	27.4
Low	3	78	17.1
Not administered	8	45	9.9
Omitted	9	20	4.4
		456	100.0%

Variable Name : BTDMMH Index Teacher Emphasis On Math Homework (Emh)
Record Number : 1
Position : 269-269
Format : N1.0
Comment : Derived Variable

Response	Codes Percent	Unweighted Frequency	
High	1	96	21.1
Medium	2	250	54.8
Low	3	46	10.1
Not administered	8	45	9.9
Omitted	9	19	4.2
		456	100.0%

Variable Name : BTDMCH Index Math Teacher Perception School Climate(Mtpsc)
Record Number : 1
Position : 270-270
Format : N1.0
Comment : Derived Variable

Response	Codes Percent	Unweighted Frequency	
High	1	76	16.7
Medium	2	225	49.3
Low	3	98	21.5
Not administered	8	45	9.9
Omitted	9	12	2.6
		456	100.0%

Variable Name : BTDMCU Index Math Teacher Perception School Safety (Mtpss)
Record Number : 1
Position : 271-271
Format : N1.0
Comment : Derived Variable

Response	Codes Percent	Unweighted Frequency	
High	1	332	72.8
Medium	2	67	14.7
Low	3	3	0.7
Not administered	8	45	9.9
Omitted	9	9	2.0
		456	100.0%

Variable Name : BTDMTONU Sum Students Taught Number Math Topics
Record Number : 1
Position : 272-277
Format : N6.2
Comment : Derived Variable

Response	Codes Percent	Unweighted Frequency	
50-100		396	86.8
Not administered	998	45	9.9
Omitted	999	15	3.3
		456	100.0%

Variable Name : BTDMTOAL Sum Students Taught Algebra Math Topics
Record Number : 1
Position : 278-283
Format : N6.2
Comment : Derived Variable

Response	Codes Percent	Unweighted Frequency	
0-100		397	87.1
Not administered	998	45	9.9
Omitted	999	14	3.1
		456	100.0%

Variable Name : BTDMTOME Sum Students Taught Measure Math Topics
Record Number : 1
Position : 284-289
Format : N6.2
Comment : Derived Variable

Response	Codes Percent	Unweighted Frequency	
0-100		397	87.1
Not administered	998	45	9.9
Omitted	999	14	3.1
		456	100.0%

Variable Name : BTDMTOGE Sum Students Taught Geometry Math Topics
Record Number : 1
Position : 290-295
Format : N6.2
Comment : Derived Variable

Response	Codes Percent	Unweighted Frequency	
0-100		395	86.6
Not administered	998	45	9.9
Omitted	999	16	3.5
		456	100.0%

Variable Name : BTDMTODA Sum Students Taught Data Math Topics
Record Number : 1
Position : 296-301
Format : N6.2
Comment : Derived Variable

Response	Codes Percent	Unweighted Frequency	
0-100		397	87.1
Not administered	998	45	9.9
Omitted	999	14	3.1
		456	100.0%

Variable Name : BTDMTOOV Sum Students Taught Overall Math Topics
Record Number : 1
Position : 302-307
Format : N6.2
Comment : Derived Variable

Response	Codes Percent	Unweighted Frequency	
20-100		396	86.8
Not administered	998	45	9.9
Omitted	999	15	3.3
		456	100.0%

Variable Name : DPCDATE *File Creation Date At Dpc Hamburg*
Record Number : 1
Position : 308-313
Format : N6.0
Comment : System Variable

Response	Codes Percent	Unweighted Frequency	
April 19, 2005	41905	456	100.0
		456	100.0%

By the end of this school year, how many years will you have been teaching altogether? Do not include teaching as a substitute or student teacher. (Number of years you have taught full-time)

Variable Name : BTBGTHFT Nat\Years Been Teaching\Full-Time QN3FT
Record Number : 1
Position : 314-315
Format : N2.0
Comment : TQM2-3AN; National Variable

Response	Codes Percent	Unweighted Frequency	
0-39		348	76.3
Not administered	98	42	9.2
Omitted	99	66	14.5
		456	100.0%

By the end of this school year, how many years will you have been teaching altogether? Do not include teaching as a substitute or student teacher. (Number of years you have taught part-time)

Variable Name : BTBGTHPT Nat\Years Been Teaching\Part-Time QN3PT
Record Number : 1
Position : 316-317
Format : N2.0
Comment : TQM2-3BN; National Variable

Response	Codes Percent	Unweighted Frequency	
0-26		166	36.4
Not administered	98	42	9.2
Omitted	99	248	54.4
		456	100.0%

What is the highest level of formal education you have completed?

Variable Name : BTBGFED Nat\Formal Education Completed QN4
Record Number : 1
Position : 318-318
Format : N1.0
Comment : TQM2-4N; National Variable

Response	Codes Percent	Unweighted Frequency	
Did not complete high school	1	0	0.0
Completed high school	2	0	0.0
Completed a vocational/technical certificate after high sch	3	0	0.0
Completed an Associate's degree (AA) in a vocational/tec	4	0	0.0
Completed an academic Associate's or Bachelor's degree	5	143	31.4
Completed an academic Master's degree, postgraduate certifi	6	205	45.0
Completed a doctorate (Ph.D. or Ed.D)	7	3	0.7
Not administered	8	42	9.2
Omitted	9	63	13.8
		456	100.0%

During your college or university education, what was your main area(s) of study? Education - Mathematics

Variable Name : BTBEDMH Mat\Major Area of Study\Math Education QN6a
Record Number : 1
Position : 319-319
Format : N1.0
Comment : TQM2-6AN; National Variable

Response	Codes Percent	Unweighted Frequency	
Major	1	116	25.4
Minor	2	70	15.4
No	3	92	20.2
Not administered	8	42	9.2
Omitted	9	136	29.8
		456	100.0%

During your college or university education, what was your main area(s) of study? Mathematics

Variable Name : BTBMTH Mat\Major Area of Study\Math QN6b
Record Number : 1
Position : 320-320
Format : N1.0
Comment : TQM2-6BN; National Variable

Response	Codes Percent	Unweighted Frequency	
Major	1	83	18.2
Minor	2	72	15.8
No	3	108	23.7
Not administered	8	42	9.2
Omitted	9	151	33.1
		456	100.0%

During your college or university education, what was your main area(s) of study? Education - Science

Variable Name : BTBSPSEC Sci\Major Area of Study\Science Education QN6c
Record Number : 1
Position : 321-321
Format : N1.0
Comment : TQM2-6CN; National Variable

Response	Codes Percent	Unweighted Frequency	
Major	1	11	2.4
Minor	2	16	3.5
No	3	204	44.7
Not administered	8	42	9.2
Omitted	9	183	40.1
		456	100.0%

During your college or university education, what was your main area(s) of study? Science

Variable Name : BTBSCIN Sci\Major Area of Study\Science QN6d
Record Number : 1
Position : 322-322
Format : N1.0
Comment : TQM2-6DN; National Variable

Response	Codes Percent	Unweighted Frequency	
Major	1	20	4.4
Minor	2	27	5.9
No	3	193	42.3
Not administered	8	42	9.2
Omitted	9	174	38.2
		456	100.0%

During your college or university education, what was your main area(s) of study? Education - Other

Variable Name : BTBEDOT Gen\Major Area of Study\Other Education QN6e
Record Number : 1
Position : 323-323
Format : N1.0
Comment : TQM2-6EN; National Variable

Response	Codes Percent	Unweighted Frequency	
Major	1	121	26.5
Minor	2	36	7.9
No	3	115	25.2
Not administered	8	42	9.2
Omitted	9	142	31.1
		456	100.0%

During your college or university education, what was your main area(s) of study? Other

Variable Name : BTBOTHER Gen\Major Area of Study\Other QN6f
Record Number : 1
Position : 324-324
Format : N1.0
Comment : TQM2-6FN; National Variable

Response	Codes Percent	Unweighted Frequency	
Major	1	83	18.2
Minor	2	43	9.4
No	3	126	27.6
Not administered	8	42	9.2
Omitted	9	162	35.5
		456	100.0%

What requirements did you have to satisfy in order to become a mathematics teacher in grade 8? Complete bachelor's degree

Variable Name : BTBMRB8 Mat\Requirements to Become Teacher\Bachelor's degree QN7a
Record Number : 1
Position : 325-325
Format : N1.0
Comment : TQM2-7AN; National Variable

Response	Codes Percent	Unweighted Frequency	
Yes	1	317	69.5
No	2	14	3.1
Missing	6	0	0.0
Not administered	8	42	9.2
Omitted	9	83	18.2
		456	100.0%

What type of (teaching) license or certificate do you hold?

Variable Name : BTBGCERT Nat\Teaching Certificate\Type QN8B
Record Number : 1
Position : 326-326
Format : N1.0
Comment : TQM2-8BN; National Variable

Response	Codes Percent	Unweighted Frequency	
Regular or standard state certificate or advanced profession	1	302	66.2
Probationary certificate	2	18	4.0
Alternative certification program	3	7	1.5
Temporary certificate	4	6	1.3
Emergency certificate or waiver	5	3	0.7
Not administered	8	42	9.2
Omitted	9	78	17.1
		456	100.0%