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TRENDS IN INTERNATIONAL MATHEMATICS AND SCIENCE STUDY

Teacher Questionnaire Mathematics

<Grade>

<TIMSS National Research Center Name>

<Address>

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Teache Questionnaire

Your school has agreed to participate in TIMSS 2019 (Trends in International Mathematics and Science Study), an educational research project sponsored by the International Association for the Evaluation of Educational Achievement (IEA). TIMSS measures trends in student achievement in mathematics and science and studies differences in national education systems in almost 60 countries in order to help improve teaching and learning worldwide.

This questionnaire is addressed to teachers of <eighth grade> students, and seeks information about teachers' academic and professional backgrounds, classroom resources, instructional practices, and attitudes toward teaching. Since your class has been selected as part of a nationwide sample, your responses are very important in helping to describe secondary education in <country>.

Some of the questions in the questionnaire refer to the "**TIMSS class**" or "**this class**." This is the class that is identified on the front of this booklet, and which will be tested as part of TIMSS in your school. If you teach some but not all of the students in the TIMSS class, please think only of the students that you teach when answering these class-specific questions. It is important that you answer each question carefully so that the information that you provide reflects your situation as accurately as possible.

Since TIMSS is an international study and all countries are using the same questionnaire, you may find that some of the questions seem unusual or are not entirely relevant to you or schools in <country>. Nevertheless, it is important that you do your best to answer all of the questions so comparisons can be made across countries in the studies.

It is estimated that you will need approximately 35 minutes to complete this questionnaire. We appreciate the time and effort that this takes and thank you for your cooperation and contribution.

When you have completed the questionnaire, please place it in the accompanying envelope and return it to:

<Insert country-specific information here>.

Thank you.

TIMSS 2019

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During your <post-secondary> education, what was your major or main area(s) of study?

Check **one** circle for each line.

- | | Yes | No |
|-----------------------------|-----------------------|-----------------------|
| a) Ma hema ic ----- | <input type="radio"/> | <input type="radio"/> |
| b) Bi l g ----- | <input type="radio"/> | <input type="radio"/> |
| c) Ph ic ----- | <input type="radio"/> | <input type="radio"/> |
| d) Chemi ----- | <input type="radio"/> | <input type="radio"/> |
| e) <Ea hScie ce> ----- | <input type="radio"/> | <input type="radio"/> |
| f) Ed ca i Ma hema ic ----- | <input type="radio"/> | <input type="radio"/> |
| g) Ed ca i Scie ce ----- | <input type="radio"/> | <input type="radio"/> |
| h) Ed ca i Ge e al ----- | <input type="radio"/> | <input type="radio"/> |
| i) O he ----- | <input type="radio"/> | <input type="radio"/> |

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How would you characterize each of the following within your school?

Check **one** circle for each line.

- Very high
- High
- Medium
- Low
- Very low

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How often do you feel the following way about being a teacher?

Check **one** circle for each line.

	Very often	Often	Sometimes	Never or almost never
a) I am confident in my teaching	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) I find it difficult to manage my class	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) I am happy in my job	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) My colleagues are helpful	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) I am satisfied with my school	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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Indicate the extent to which you agree or disagree with each of the following statements.

Check **one** circle for each line.

Agree a lot	Agree a little	Disagree a little	Disagree a lot
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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How many students are in this class?

_____ students
Write in the number.

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How often do you do the following in teaching this class?

Check **one** circle for each line.

Every or almost every lesson
About half the lessons
Some lessons
Never

- a) Relate the _____
daily _____ A — A — A — A
- b) Ask the _____
_____ A — A — A — A
- c) Ask the _____
challenge _____
_____ A — A — A — A
- d) Encourage _____
_____ A — A — A — A
- e) Like _____

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

Check **one** circle for each line.

Not at all
Some
A lot

- a) Students lacking _____
_____ A — A — A
- b) Students _____
_____ A — A — A
- c) Students _____
_____ A — A — A
- d) Students _____ A — A — A
- e) _____ A — A — A
- f) _____ A — A — A
- g) Students _____
_____ A — A — A
- h) Students _____
_____ A — A — A

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In a typical week, how much time do you spend teaching mathematics to the students in this class?

_____ minutes per week
 Write in the number of minutes per week.
 Please convert the number of hours into minutes.

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In teaching mathematics to this class, how often do you ask students to do the following?

Check **one** circle for each line.

Every or almost every lesson

About half the lessons

Some lessons

Never

a) Lie mee lai e
 ma hema ic c e ----- A - A - A - A

b) Lie mee lai h
 l e9 h 8

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when the students in this class have been taught each topic. If a topic was in the curriculum before the <eighth grade>, please choose "Mostly taught before this year." If a topic was taught half this year but not yet completed, please choose "Mostly taught this year." If a topic is not in the curriculum, please choose "Not yet taught or just introduced."

Check **one** circle for each line.

Mostly taught before this year

Mostly taught this year

Not yet taught or just introduced

A. Number

- a) Comparing integers ----- A — A — A
- b) Converting a decimal ----- A — A — A
- c) Simple interest -----

Mostly taught before this year

Mostly taught this year

Not yet taught or just introduced

Mostly taught before this year

Mostly taught this year

Not yet taught or just introduced

Mostly taught before this year

Mostly taught this year

Not yet taught or just introduced

A. How often do you usually assign mathematics homework to your students? (Check **one** circle only.)

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

Check **one** circle only.

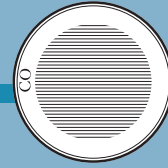
- 15 minutes or less
- 16-30 minutes
- 31-60 minutes
- 61-90 minutes
- More than 90 minutes

C. How often do you do the following with the mathematics homework assignments for this class?

Check **one** circle for each line.

Always or almost always
Sometimes
Never or almost never

- a) Check the grade book
- b) Have the students check their homework
- c) Discuss the homework in class
- d) Monitor the homework as the students complete it
- e) Use the homework to give feedback



<Grade 8>