

# TIMSS 2011

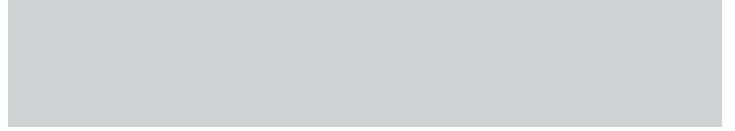
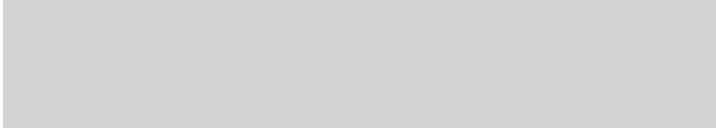


<Grade 8>

<Address>







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Thinking about your current school, 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

- a) This school is located in a safe neighborhood ----- A — A — A — A
- b) I feel safe at this school ----- A — A — A — A
- c) This school's security policies and practices are sufficient ---- A — A — A — A
- d) The students behave in an orderly manner ----- A — A — A — A
- e) The students are respectful of the teachers ----- A — A — A — A

8

In your current school, how serious is each problem?

Check **one** circle for each line.

Not a problem

Minor problem

Moderate problem

Serious problem

- a) The school building needs significant repair ----- A — A — A — A
- b) Classrooms are overcrowded -- A — A — A — A
- c) Teachers have too many teaching hours ----- A — A — A — A
- d) Teachers do not have adequate workspace for preparation, collaboration, or meeting with students ----- A — A — A — A
- e) Teachers do not have adequate instructional materials and supplies ----- A — A — A — A

9 \_\_\_\_\_

A. Do you use computers in your teaching in any of the following areas?

Check **one** circle for each line.

Yes

No

a) For preparation -----  —

b) For administration -----  —

c) In your classroom instruction -----  —

If Yes to "How often" \_\_\_\_\_

11

How much do you agree with the following statements?

Check **one** circle for each line.

Agree a lot

Agree a little

Disagree a little

Disagree  
a lot

a) I am content with my profession  
as a teacher ----- A — A —

15

In order to have the best learning environment, how often do you limit the following in your classroom?

Check **one** circle for each line.

	Not applicable	Not at all	Some	A lot
a) Students lacking prerequisite knowledge or skills -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) Students suffering from lack of basic nutrition -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) Students suffering from not enough sleep -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) Students with special needs (e.g., physical disabilities, mental or emotional/psychological impairment) ----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) Disruptive students -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) Uninterested students -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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For the typical student in this class, how often do you do the following?

Check **one** circle for each line.

	At least once a week	Once or twice a month	4-6 times a year	1-3 times a year	Never
a) Meet or talk individually with the student's parents to discuss his/her learning progress -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) Send home a progress report on the student's learning -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Questions 17-19 ask about mathematics instruction for the <eighth-grade> students in the TIMSS class.

17

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

Write in the hours and minutes.

18

In teaching mathematics to this class, how confident do you feel to do the following?

Check *one* circle for each line.

Very confident

Somewhat confident

Not confident

a) Answer students' questions about mathematics ----- A



Questions 20, 22 ask about resources for teaching mathematics to the <u>eighth-grade</u> students in the TIMSS class.

**20**

When you teach mathematics to this class, how do you use the following resources?

Check *one* circle for each line.

Basis for instruction  
 Supplement  
 Not used

- a) Textbooks -----  —  —
- b) Workbooks or worksheets -----  —  —
- c) Concrete objects or materials that help students understand quantities or procedures -----  —  —
- d) Computer software for mathematics instruction -----  —  —

**21**

A. Are the students in this class permitted to use calculators during mathematics lessons?

Check *one* circle only.

Yes, with unrestricted use ---

**A. Do the students in this class have computer(s) available to use during their mathematics lessons?**

Check *one* circle only.

Yes---

No---

(If No, go to #23)

**If Yes,**

**B. Do any of the computer(s) have access to the Internet?**

Check *one* circle only.

Yes---

No---

**C. How often do you have the students do the following computer activities during mathematics lessons?**

Check *one* circle for each line.

Every or almost every day

Once or twice a week

Once or twice a month

Never or almost never

a) Explore mathematics principles and concepts-----  -  -  -

b) Practice skills and procedures -----  -  -  -

c) Look up ideas and information -----  -  -  -

d) Process and analyze data -----  -  -  -

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 <u>eighth grade</u>, 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.*

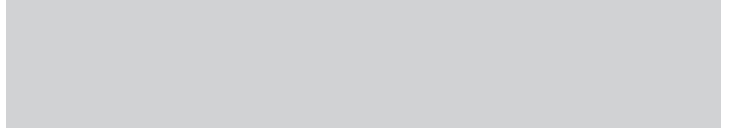
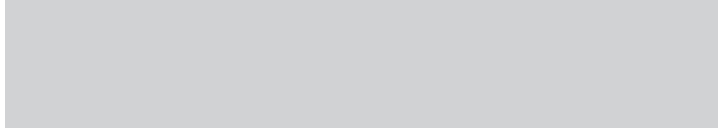
Mostly taught before this year

Mostly taught this year

Not yet taught or  
just introduced

**A. Number**

a) Computing, estimating, or approximating with whole





Questions 26, 28 ask about mathematics assessment for the <eighth-grade> students in the TIMSS class.

26

How much emphasis do you place on the following sources to monitor students' progress in mathematics?

Check **one** circle for each line.

- Major emphasis

Some emphasis

Little or no emphasis

a) Evaluation of students' ongoing work ----- A - A - A

b) Classroom tests (for example, teacher-made or textbook tests) ----- A - A - A

c) National or regional achievement tests ----- A - A - A

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How often do you give a mathematics test or examination to this class?

Check **one** circle only.

- About once a week --- A
- About every two weeks --- A
- About once a month --- A
- A few times a year --- A
- Never --- A

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How often do you include the following types of questions in your mathematics tests or examinations?

Check **one** circle for each line.

- Always or almost always

Sometimes

Never or almost never

a) Questions based on recall of facts and procedures ----- A - A - A

b) Questions involving application of mathematical procedures ----- A - A - A

c) Questions involving searching for patterns and relationships ----- A - A - A

d) Questions requiring explanations or justifications ----- A - A - A

29

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

Check **one** circle for each line.

- |   | Yes                   | No                    |
|---|-----------------------|-----------------------|
| a) Mathematics content -----  | <input type="radio"/> | <input type="radio"/> |
| b) Mathematics pedagogy/instruction -----                                   | <input type="radio"/> | <input type="radio"/> |
| c) Mathematics curriculum -----   | <input type="radio"/> | <input type="radio"/> |
| d) Integrating information technology<br>into mathematics -----             | <input type="radio"/> | <input type="radio"/> |
| e) Improving students' critical thinking or<br>problem solving skills ----- | <input type="radio"/> | <input type="radio"/> |
| f) Mathematics assessment -----   | <input type="radio"/> | <input type="radio"/> |
| g) Addressing individual students' needs -----                              | <input type="radio"/> | <input type="radio"/> |

30

How well prepared do you feel you are to teach the following mathematics topics?

If a topic is not in the <u>eighth-grade</u> curriculum or you are not responsible for teaching this topic, Please choose Not applicable.

Check **one** circle for each line.

Not applicable

Very well prepared

Somewhat



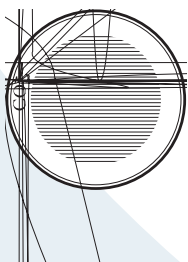
# Thank You

**Thank you for the thought, time, and effort you have put into completing this questionnaire.**

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# TIMSS 2011

## Teacher Questionnaire Mathematics

<Grade 8>

