



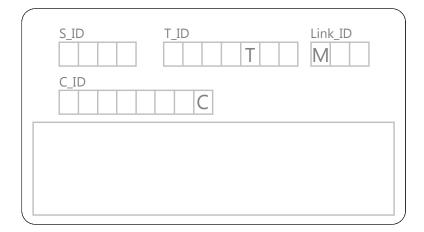
Spring 2016 Mathematics Teacher Questionnaire Child Level

Prepared for the U.S. Department of Education National Center for Education Statistics by:

Westat Rockville, Maryland

Use a black or blue ball point pen to complete this questionnaire.

RETURN THIS COMPLETED QUESTIONNAIRE IN THE SEALED TYVEK® ENVELOPE DIRECTLY TO YOUR SCHOOL COORDINATOR OR AN ECLS-K:2011 STAFF MEMBER. <u>DO NOT MAIL</u> THIS QUESTIONNAIRE UNLESS YOU ARE ASKED TO DO SO BY STUDY STAFF AND ARE PROVIDED WITH AN ENVELOPE FOR MAILING.



According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this voluntary survey is 1850-0750. Approval expires 10/31/2018. The time required to complete this survey is estimated to average 13 minutes per response, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the survey. If you have any comments concerning the accuracy of the time estimate or suggestions for improving this survey, or any comments or concerns regarding the status of your individual submission of this survey, please write to: Early Childhood Longitudinal Study, National Center for Education Statistics, PCP, 550 12th St., SW, 4th floor, Washington, DC 20024.

The collection of information in this survey is authorized by 20 U.S. Code, Section 9543. Participation is voluntary. You may skip questions you do not wish to answer, however, we hope that you will answer as many questions as you can. Your responses are protected from disclosure by federal statute (20 U.S. Code, Section 9573). All responses that relate to or describe identifiable characteristics of individuals may be used only for statistical purposes and may not be disclosed, or used, in identifiable form for any other purpose except as required by law. Data will be combined to produce statistical reports. No individual data that links your name, address, telephone number, or identification number with your responses will be included in the statistical reports.





Dear Teacher,

This questionnaire is an important part of a major longitudinal study of children's early educational experiences beginning with kindergarten and continuing through grade 5. You have received this questionnaire because you teach **mathematics** to one or more of the children who are participants in this study.

The Early Childhood Longitudinal Study, Kindergarten Class of 2010-2011 (ECLS-K:2011) is collecting information from teachers of children who are in the study to investigate the relationship between children's academic progress and various school, classroom, teacher, and home characteristics. Taking part in the study is voluntary. You may stop at any time or choose not to answer a question you do not want to answer. However, only you can provide this information. Although we realize you are very busy, we urge you to complete this questionnaire as completely and accurately as possible. The information you provide is being collected for research purposes only and will be protected from disclosure to the fullest extent allowable by law (Education Sciences Reform Act of 2002, 20 U.S.C. § 9573). Information from multiple individuals will be combined to produce statistical reports; no information that identifies you will be included in any reports or provided to students, their parents, or other school staff.

This questionnaire has two parts:

- Part 1 should be completed for the child whose name is on the cover of this questionnaire.
- Part 2 has questions about your mathematics class you only need to fill out Part 2 if there is a
 red dot next to the child's name on the cover of the questionnaire.

The instructions preceding each part of the questionnaire will guide you.

Please record your answers directly on the questionnaire by marking the appropriate answer (as instructed on page 4) or by writing your responses in the space provided. Your best estimates are acceptable answers.

THANK YOU VERY MUCH FOR YOUR HELP.



MARKING DIRECTIONS

MARKING BOXES

It is important that you mark an "X" in the box next to your answers and print clearly.

Shown below is the correct way to mark your answers, along with examples of incorrect ways.

Correct Mark:



Incorrect Marks:

Light and thin, outside the box, thick or scrawled.



How to Change an Answer:

Completely black out the box of the incorrect answer and mark an "X" in the box next to the correct answer.



PRINTING ANSWERS IN BOXES

Answers should be printed clearly and should not touch or cross any of the box lines. Do not cross zeroes or sevens. That is, do not write a zero with a line through it like this – θ , and do not write a seven with a line through it like this – \mathcal{F} .

Write one number per box like this:

1 2 3 4 5 6 7 8 9 0

Write words like this:

John Smith



PART 1:

Please answer the questions in Part 1 about the child identified on the cover of this questionnaire.



SECTION A. STUDENT INFORMATION

Please answer the following questions about the child identified on the cover of this questionnaire.

| A1. | Are you this child's primary teacher in the following subject areas? MARK ROW. | YES OR NO | ON EACH |
|-------------|---|-------------|--------------|
| | | Yes | <u>No</u> |
| | a. Reading/language arts | | |
| | b. Mathematics | | |
| | c. Science | | |
| | d. Social studies | | |
| A2. | How long has this child been in your math class this school year until now | v? MARK ON | E RESPONSE. |
| | Entire school year until now | | |
| | More than one semester but less than the entire school year until now | | |
| | More than one quarter but less than one semester | | |
| | Less than one quarter of the school year | | |
| А3. | Please indicate the total number of times this child has been absent from the current school year. MARK ONE RESPONSE. | your math o | class during |
| | No absences | | |
| | 1 to 4 absences | | |
| | 5 to 7 absences | | |
| | 8 to 10 absences | | |
| | 11 to 19 absences | | |
| | 20 or more absences | | |
| A 4. | Does this child receive (or has he/she received during this school year) installed following types of programs in your school? MARK YES OR NO ON EACH R | | any of the |
| | | <u>Yes</u> | <u>No</u> |
| | a. Individual tutoring or remedial program in mathematics | | |
| | b. Gifted and talented program in mathematics | 1 1 | |



| A5 . | Is English this child's native language? MARK ONE RESPONSE. |
|-------------|---|
| | Yes (SKIP TO Q A7) |
| | No |
| | Don't know |
| A6. | During this school year, how often is this child's <u>math instruction</u> provided in his/her native language? MARK ONE RESPONSE. |
| | None of the time |
| | Less than half of the time |
| | Half of the time |
| | More than half of the time |
| | Almost all the time |
| A 7. | Overall, how would you rate this child's academic skills in MATH, based on curriculum standards for his/her current grade level? MARK ONE RESPONSE. |
| | Below grade level |
| | About on grade level |
| | Above grade level |
| A8. | How often does this child work to the best of her/his ability in MATH? MARK ONE RESPONSE. |
| | Never |
| | Seldom |
| | Usually |
| | Always |
| A9. | How many instructional groups based on achievement or ability levels in MATHEMATICS do you currently have in this child's class? MARK ONE RESPONSE. |
| | I do not use instructional groups for mathematics (SKIP TO Q A11) |
| | Two |
| | Three |
| | Four |
| | Five or more |



| A10. | In which mathematics instructional group is this child INSTRUCTIONAL GROUP. WRITE THE NUMBER OF THE C | • • | | |
|------|---|-----------------|---------------|-----------------------------------|
| | Instructional Group | | | |
| A11. | During this school year, have this child's parents/gua activities? MARK ONE RESPONSE ON EACH ROW. | rdians particip | ated in the f | |
| | | Yes | No | Not applicable/ not offered |
| | a. Attended regularly-scheduled conferences at your school | | | |
| | Attended parent/teacher informal meetings that you initiated to talk about the child's progress | | | |
| | c. Returned your telephone calls or e-mails | | | |
| | d. Initiated contact with you | | | |
| | e. Volunteered to help in your classroom or school | | | |
| A13. | Was the purpose of the communication with this child MARK YES OR NO ON EACH ROW. | d's parents/gu | ardians to di | scuss |
| | | | Yes | No. |
| | a. Behavior problems the child is having in school? | | Щ | |
| | b. Any problems the child is having with school work? | | Ш | |
| | c. Anything the child is doing particularly well in or better in at school? | | | |
| A14. | Date Questionnaire Completed: | | | |
| | MONTH DAY YEAR | | | |
| | | | | _ |

If there is a red dot next to the child's name on the cover of this questionnaire, please continue with Part 2.

If there is no red dot next to the child's name on the cover, you are finished with the questionnaire. Thank you for your cooperation!



PART 2:

To be completed <u>only</u> if there is a red dot next to the child's name on the cover of this questionnaire.

If there is no red dot next to the child's name on the cover, you are finished with the questionnaire.

Thank you for your cooperation!



SECTION B. MATHEMATICS INSTRUCTION

Please answer the following questions for the math class in which the child on the cover of this questionnaire receives math instruction.

B1. <u>From the first day of school until today</u>, please indicate on how many days you have covered each of the following MATHEMATICS skills and concepts <u>in this child's class</u>. Please include the time during which you provide direct instruction as well as the time you spend supervising students as they work.

Please focus on the skill areas that are shown <u>in bold text</u>. (The unbolded examples are only a sample of things you may do or cover under this skill area.) MARK ONE RESPONSE ON EACH ROW.

| | , | | | | | | |
|----|---|---|--------------------|---------------------|---------------------|---------------------|----------------------------|
| | | Not yet taught or not taught in this grade | On 1-10 days | On 11-20 days | On 21-40 days | On 41-80 days | On more than 80 days |
| a. | Using algebraic thinking, for example, using parentheses in numerical expressions; writing and interpreting simple numerical expressions; generating and graphing numerical patterns; etc. | | | | | | |
| b | . Understanding place value , for example, understanding the value of a digit in one place as compared to an adjacent place; using whole number exponents to denote powers of 10; reading, writing, and comparing decimals to thousandths; rounding decimals; etc. | | | | | | |
| C. | Adding, subtracting, multiplying, and dividing multiple-digit whole numbers and decimals to hundredths | | | | | | |
| d | . Understanding fractions , for example, adding and subtracting fractions with unlike denominators; understanding the relationship between decimals and fractions; solving real world problems involving multiplying and dividing fractions by whole numbers; etc. | | | | | | |
| e. | . Using concepts of geometric measurement , for example, converting among different measurement units; making plots or graphs to display fractions of a unit; understanding and using units of volume; solving volume problems using multiplication and addition; etc. | | | | | | |
| f. | Representing and interpreting data , for example, making line plots or other visuals to display fractions of a unit; using operations on fractions to answer questions about a line plotetc. | , I I | | | | | |
| g | . Understanding geometric concepts , for example, using axes (perpendicular lines) to define a coordinate system; classifying two-dimensional figures such as squares and rectangles; etc. | | | | | | |



B2. How often do the children in this class engage in the following mathematics activities? MARK ONE RESPONSE ON EACH ROW.

| | · | Almost every day | Once or twice a week | Once or twice a month | Less than once a month or never |
|----|--|------------------------|----------------------------|-----------------------------|---------------------------------|
| a. | Solve mathematics problems from textbooks or worksheets | | | | |
| b. | Solve mathematics problems from the blackboard, whiteboard/SMART Board, or projector | | | | |
| C. | Solve mathematics problems in small groups or with a partner | | | | |
| d. | Work with measuring instruments (for example, rulers, compasses, protractors) | | | | |
| e. | Work with manipulatives (for example, geometric shapes, fraction bars) | | | | |
| f. | Use a calculator | | | | |
| g. | Take mathematics tests/quizzes | | | | |
| h. | Write a few sentences about how to solve a mathematics problem | | | | |
| i. | Discuss solutions to mathematics problems with other students | | | | |
| j. | Work on and discuss mathematics problems that reflect real-life situations | | | | |
| k. | Use a computer or tablet (for example, iPad, Surface for math (beyond using the device's calculator) |) 🔲 | | | |
| I. | Interpret visual representations (for example, diagrams, graphs, tables, models) | | | | |
| m. | Create visual representations (for example, diagrams, graphs, tables, models) | | | | |



SECTION C. CLASSROOM AND STUDENT CHARACTERISTICS

Please answer the following questions for the math class in which the child identified on the cover of this questionnaire receives math instruction.

| , | | |
|-------------|---|----------------------------|
| C1 . | As of today's date, how many children | |
| | WRITE NUMBER IN BOX. IF THERE ARE NO CHILDREN IN A PARTICULAR C. | ATEGORY, WRITE "0." |
| | | Number of children |
| | a. Are currently enrolled in this class? | |
| | b. Are boys? | |
| | c. Are girls? | |
| | | |
| C2. | What grade levels are included in this class? MARK ALL THAT APPLY. | |
| | a. 3rd grade or lower | |
| | b. 4th grade | |
| | c. 5th grade | |
| | d. 6th grade | |
| | e. 7th grade or higher | |
| | | |
| C3. | How many of the children in this class are repeating their grade this y IF NONE, WRITE "O." | rear? WRITE NUMBER IN BOX. |
| | Number of children repeating their grade | |



| C4. | How many children in this class | |
|-------------|--|---------------------|
| W | WRITE NUMBER IN BOX. IF NONE, WRITE "0." | |
| | | Number of children |
| | _ | cniiaren |
| | a. Are classified as Gifted and Talented? | |
| | b. Are participating in a Gifted and Talented program? | |
| C5. | How many children in this class are absent on an average day? WRITE NUMBER WRITE "0." | IN BOX. IF NONE, |
| | Number of children absent on an average day | |
| C 6. | How many children in this class are below grade level, about on grade level, or in mathematics skills? | r above grade level |
| | WRITE NUMBER IN BOX. IF NONE, WRITE "0." | |
| | Number of children below grade level | |
| | Number of children about on grade level | |
| | Number of children above grade level | |
| C 7. | At this point in the school year, how would you rate the behavior of the children MARK ONE RESPONSE. | en in this class? |
| | Group misbehaves very frequently and is almost always difficult to handle. | |
| | Group misbehaves frequently and is often difficult to handle. | |
| | Group misbehaves occasionally. | |
| | Group behaves well. | |

Group behaves exceptionally well.



C8.

| C 8. | | proximately what percentage of the stud RK ONE RESPONSE ON EACH ROW. | ents in th | is class de | monstrate | the follow | ving probl | ems? |
|-------------|---------------|--|-------------------------|---------------|--------------------|------------------|---------------|--------------|
| | | _ | 0% | 1-10% | 11-25% | 26-50% | 51-75% | 76-100% |
| | a. | Have difficulty paying attention in class | | | | | | |
| | b. | Lack self-control (disruptive behavior) | | | | | | |
| | C. | Are rejected by peers | | | | | | |
| | d. | Do not accept authority | | | | | | |
| | | rce: Abry, T., Swanson, J., and Fabes, R. A. (2012). <i>The</i> published measure. Adapted with permission. | Classroom E | nvironment Si | tudent Difficul | ties Scale. Ariz | zona State Un | iversity, |
| C9. | | w many children in this class have a diago | nosed dis | ability? И | VRITE NUMI | BER IN BOX | í. IF NONE | . |
| | | Number of children diagnosed with a | a disability | / | | | | |
| C10. | lear liste | you have any children who are English la ners are children <u>whose native language</u> ening, speaking, reading, or writing Engli ool instruction in English.) MARK ONE RE | is one of ish are su | her than E | <u>English</u> and | l whose sk | ills in | ng |
| | | Yes | | | | | | |
| | | No (SKIP TO Q D1) | | | | | | |
| C11. | | w many English language learners (ELLs) NE, WRITE "0." | do you h | ave in this | class? WR | RITE NUMBI | ER IN BOX. | IF |
| | | Number of ELL children | | | | | | |



SECTION D. CLASSROOM INSTRUCTION AND EVALUATION

Please answer the following questions for the math class in which the child identified on the cover of this questionnaire receives math instruction.

D1. In a typical day, how much time do children in this math class spend in the following activities?

MARK ONE RESPONSE ON EACH ROW. DO NOT INCLUDE LUNCH OR RECESS BREAKS.

| | | No time | 1-15 minutes | 16-30 minutes | 31-45 minutes | Longer than 45 minutes |
|----|---|------------|-----------------|------------------|------------------|------------------------------|
| a. | Working independently | | | | | |
| b. | Working on individual tasks under teacher direction | | | | | |
| C. | Working with peers under teacher direction | | | | | |
| d. | Working in small groups with teacher | | | | | |
| e. | Teacher lecture with large group and/or large group discussion led by teacher | | | | | |



D3.

D2. In this class, how frequently do you or your students use computers or the following electronic devices for instructional purposes in math? Please include any desktop, laptop, or other computer-type devices. MARK ONE RESPONSE ON EACH ROW.

| | | Not available | Never | Rarely | Sometimes | Often |
|----|--|------------------|-------|--------|-----------|-----------|
| a. | Desktop or laptop computer or other computer-type device (for example, iPad/other tablet, eReader such as Kindle or Nook) | | | | | |
| b. | Cell phone/smartphone (for example, iPhone) | | | | | |
| C. | Interactive whiteboard (for example, SMART Board, Activboard) | | | | | |
| d. | Document camera or document projector (for example, ELMO, HoverCam) | | | | | |
| e. | LCD or DLP projector | | | | | |
| f. | Digital camera (still or video) | | | | | |
| g. | CD player, MP3 player/iPod, cassette/tape player | | | | | |
| h. | DVD player, VCR, or video streaming device (for example, Roku) | | | | | |
| i. | TV | | | | | |
| j. | Student response system (for example, clickers, responders, ActiVote, ActivExpression) | | | | | |
| k. | Microphone or classroom audio sound system (for example, TopCat, Redcat) | | | | | |
| | n average week, how many days a nt homework assigned over the w | | | _ | | s? Please |
| 片 | 0 days (SKIP TO Q D5) 1 day | | | | | |
| | 2 days | | | | | |
| | 3 days | | | | | |
| | 4 days | | | | | |
| | 5 days | | | | | |



| D4. | | days when homework is assign homework in math? MARK ON | | do you e | xpect chil | dren in th | is class to | spend |
|-----|----|--|----------------------------|--------------------------------|--|-------------------------------|--------------------------------|--------------------------------|
| | | 1 to 10 minutes | | | | | | |
| | | 11 to 20 minutes | | | | | | |
| | | 21 to 30 minutes | | | | | | |
| | | More than 30 minutes | | | | | | |
| D5. | | his class, how often do you use RK ONE RESPONSE ON EACH RO | assessme Once a year | nt in MAT 2 times a year | H for the 3 to 4 times a year | following 5 to 8 times a year | purposes 1 to 2 times a month | ? 1 to 2 times a week |
| | a. | To evaluate how well each student is responding to the core curriculum provided in the general education classroom | | | | | | |
| | b. | To monitor each student's progress on specific skills over the school year | | | | | | |
| | C. | To identify the deficits in specific skills of struggling students | | | | | | |
| | d. | To monitor the progress of students who fall below benchmark levels | | | | | | |
| | e. | To determine whether students need placement in a more or less intensive level of instruction | | | | | | |



SECTION E. STAFF ACTIVITIES

| | | PONSE. | ment with | illii tile ia | 3t 12 mont | 11 5: 171/4/1/1 | ONE |
|----|------|---|------------|---------------|-------------|------------------------|----------------|
| | | Yes (GO TO Q E2) | | | | | |
| | | No (YOU ARE FINISHED WITH THE QUESTION | ONNAIRE) | | | | |
| | , | Professional development may include continum workshops, or in-service training; staff meeting receiving coaching or mentoring. | • | | | | |
| 2. | | w often did you participate in professional d | levelopmei | nt activiti | es coverinc | ı the follo | wina topics |
| | in t | he last 12 months? MARK ONE RESPONSE ON | - | | | , | More |
| | in t | he last 12 months? MARK ONE RESPONSE ON | - | | 2 times | 3 to 4 times | |
| | in t | How to use assessment data to identify students who are struggling or at risk of failure in MATH | N EACH ROV | N. | | 3 to 4 | More than 4 |
| | | How to use assessment data to identify students who are struggling or at risk of | N EACH ROV | N. | | 3 to 4 | More than 4 |

THANK YOU FOR YOUR COOPERATION!



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