



New Tests 2015-16

New California Common Core State Standards Tests

One of the most significant changes from the 1997 mathematics content standards to the new California Common Core State Standards is the development of a Grade 8 Mathematics course. Because there was no 8th grade alternative to Algebra I in the 1997 standards, students who were not ready to take Algebra I in grade 8 could only repeat standards from earlier grade levels rather than advance their studies. Now, students who take the Grade 8 Mathematics course can still advance their math studies. The Grade 8 Mathematics course includes both prealgebra and algebra topics, focusing on three key areas: (1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (2) developing the concept of a function and using functions to describe quantitative relationships; (3) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem. The California Common Core State Standards have also changed the expectations for what is taught in the Grade 7 Mathematics course as well as the Algebra I/Mathematics I course. As a result of these changes to the secondary mathematics curriculum, MDTP has been field-testing for the past two years new readiness tests that measure readiness for the new Grade 7 Math, Grade 8 Math, and Algebra I/Math I courses. Based on the results of these field tests, MDTP is releasing three new readiness tests in August 2015 for general use by secondary schools in California.

The **Grade 7 Mathematics Readiness Test (7R40A15)** measures readiness for a Grade 7 Math course. The test assesses critical content from grade 3 through grade 6 and highlights gaps and misunderstandings commonly held by students. Student weaknesses at the topic level are available in printed test versions and at the item level in online (Daskala) test versions. The test can be administered at any time, but is most appropriately given at the beginning of a Grade 7 Math course or near the end of a Grade 6 Math course.

The **Grade 8 Mathematics Readiness Test (8R40A15)** measures readiness for a Grade 8 Math course or a compacted Grade 7/8 course. The test assesses critical content from grade 3 through grade 7 and highlights gaps and misunderstandings commonly held by students in a class. Student weaknesses at the topic level are available in printed test versions and at the item level in online (Daskala) test versions. The test can be administered at any time, but is most appropriately given at the beginning of a Grade 8 Math course or near the end of a Grade 7 Math course.

The **High School Mathematics Readiness Test (HS45A15)** measures readiness for a first year high school mathematics course, whether that course is a traditional Algebra I course or an integrated Mathematics I course, or a compacted Grade 8 Math and Algebra I/Math I course. The test assesses critical content from grade 3 through grade 8 and highlights gaps and misunderstandings commonly held by students. Student weaknesses at the topic level are available in printed test versions and at the item level in online (Daskala) test versions. The test can be administered at any time, but is most appropriately given at the beginning of an Algebra I/Mathematics I course or near the end of a Grade 8 Math course.

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This newsletter has been provided with the support of the Trustees of the California State University, the Regents of the University of California, and the California Academic Partnership Program.

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New Tests 2015-16

(continued from pg. 1)

These three new tests will replace the existing Prealgebra Readiness Test (PR40A04) and Algebra Readiness Test (AR45A10) for schools that are implementing the California Common Core State Standards. However, MDTP will continue to stock Prealgebra Readiness (PR) and Algebra Readiness (AR) tests and score these tests for teachers.

Like many of you, we are interested in the alignment of the MDTP tests with the California Common Core State Standards. Virtually every MDTP test question addresses knowledge that is described by one or more standards. Even so, not all standards are addressed. MDTP tests are designed to provide diagnostic information to you and your students about some of their mathematical knowledge that is most important for continued success in learning mathematics. MDTP tests were never intended to be comprehensive tests of course material. Indeed, we know that it is impossible to test even the essential knowledge and skills of a course in one or two hours.

We encourage you to work together in reviewing the questions on these tests to see how well they are aligned with the California Common Core State Standards and your school or district standards or expectations. This activity can enrich your understanding of the standards and roles of MDTP materials in measuring student progress toward meeting them. Understanding the roles and limitations of various tests will help you determine what supplementary assessments might be beneficial for your students and your programs. Our preliminary analysis has convinced us that these MDTP tests can provide helpful information about student strengths and weaknesses in many of the areas of the standards. As the curriculum continues to evolve, we will revise and update these tests.

Order tests at <http://mdtp.ucsd.edu/sendtodirectors.shtml> or by contacting your local site. These tests are also available online through Daskala. Daskala has replaced the older pre-registration process with a self-registration system for these new tests. MDTP is working with Daskala to implement the self-registration system for all existing MDTP tests by the end of the school year. To self-register, schools will only need to provide the approximate test date, school name, teacher's email address, teacher's name, course name, period, and assigned MDTP test for each class. **Student lists are no longer required.** MDTP will create an access code for each class that will allow students to self-register at the time of testing by entering the provided access code and their names and student IDs. Please visit http://mdtp.ucsd.edu/daskala_ccss.shtml if you have any questions about the self-registration system.

Daskala has also updated its software for the three new tests to allow students to test using iPads. The student interface should look the same as it does now, so the student instructions shouldn't change. Teachers will still be required to access their test results reports using a computer or laptop. If you have any questions about students using iPads to take online MDTP tests, please contact mdtp@ucsd.edu.

Please note that schools and districts still need to send MDTP purchase orders or letters of authorization prior to testing, see <http://mdtp.ucsd.edu/daskala.shtml>.

2015-16 Field Tests

Last summer, MDTP's Workgroup wrote new topics and item specifications for two new high school readiness tests (Integrated Math II and Integrated Math III). Thousands of students across the state participated last year in field-testing these new tests. The Workgroup used the results of those field tests to refine many test items. Field-testing of these tests will continue this school year. If this year's field-test data validate most of these field-test items, then MDTP should be able to assemble versions of these tests for general use next fall (2016). If the data indicate further field-testing is required, MDTP will continue field-testing through 2016-17 before releasing these tests in fall 2017.

MDTP expects demand will be strong for schools to participate in this year's field tests. To qualify for participation in a field test, a school must commit that all teachers currently teaching an Integrated Math II (or Integrated Math III) course aligned to the California Common Core State Standards agree to: (1) giving the field tests to their students within the first 6 weeks of the school year; (2) administering specified post-tests in spring 2016; and (3) completing brief surveys in spring 2016 about their students' readiness for their next math courses. MDTP will provide all field-test materials and pre-addressed and stamped return envelopes to teachers to make it easier to return answer sheets for scoring and other field-test materials (surveys and field-test booklets). If your school would like to participate in a field test and is willing to make the commitments indicated, please contact your local MDTP site director. Contact information is provided in this newsletter.

MDTP greatly appreciates the cooperation of teachers who administer field tests. Without their support MDTP would not be able to produce such high-quality tests.

MDTP Scoring Options

Important News for Illuminate, Datawise, and Edusoft Users

Over the past several years, MDTP had established memoranda of understanding with Illuminate Education, Datawise, and Edusoft authorizing these vendors to provide answer sheets and test reports for teachers, schools, and districts. The original purpose of these MOUs was to provide teachers a faster turnaround time for initial scoring and to enable schools to electronically store students' MDTP test results in vendor-provided database systems so that they could more easily access and effectively use this data along with other student data stored in these database systems. At this time, all MDTP tests (including the new Grade 7 Math Readiness, Grade 8 Math Readiness, and High School Math Readiness tests) given in California schools must be scored by an MDTP site, Daskala, or Illuminate Education. Datawise and Edusoft are no longer authorized to score MDTP tests.

Measured Progress/Datawise notified MDTP on June 25, 2014 that it wished to terminate its MOU with MDTP, because they were discontinuing their Datawise product. MDTP has notified Edusoft that it would like to terminate its MOU with them due to a significant drop in reported scoring activity and Edusoft's refusal to mount recent MDTP tests, including the new Grade 7 Math Readiness, Grade 8 Math Readiness, and High School Math Readiness tests, onto the Edusoft platform. If you had been using either Measured Progress/Datawise or Edusoft to score MDTP tests, you are no longer allowed to do so. You may contact Illuminate Education at sales@illuminateed.com about scoring MDTP tests. Other options for using MDTP tests include **scoring paper tests through your regional MDTP site** (see <http://mdtp.ucsd.edu/directors.shtml> for contact information) or **online scoring through Daskala** (see <http://mdtp.ucsd.edu/daskala.shtml>).

MDTP tests are registered copyrighted materials. Test booklets are provided to schools with the understanding that student responses will be scored by MDTP offices or authorized vendors who have an agreement with MDTP. Teachers, schools, and districts are not authorized to enter keys into any database system for self-scoring tests. MDTP sites can provide test results electronically, upon request. These results can be used to upload (import) data into database systems such as DataDirector that are used for recording and reporting student assessment data. MDTP electronic files are compatible with most data record systems.

Test Assignments

Which MDTP Tests to Use

With the release of MDTP's Grade 7 Math Readiness (7R40A15), Grade 8 Math Readiness (8R40A15), and High School Math Readiness (HS45A15) tests and the continued field-testing of the Integrated Math II Readiness and Integrated Math III Readiness tests, here is a review of which MDTP tests might be suitable for currently taught courses. The following list, while not all-inclusive, hopefully covers some of the more popular courses. If you have any questions about test usage, please contact your local MDTP site director.

Math 6: 7R40A15 or PR40A04. While these tests measure concepts and skills that have been taught through a Grade 6 math course, there may still be benefit in giving these tests in a Math 6 course to assess understanding of the content that has been taught prior to this course.

Math 7: 7R40A15 (recommended) or PR40A04

Math 7/8 compacted: 8R40A15.

Math 8: 8R40A15 (recommended) or AR45A10

Math 8/Algebra I (or Math I) compacted: HS45A15

Algebra I/Math I: HS45A15 (recommended) or AR45A10

Geometry: GR45A06 (Note: The GR45A06 has several items that address quadratic equations and polynomials since these topics used to be taught in a standard Algebra I course. These topics have been moved to Algebra II in the new standards, so these items might be inappropriate in assessing readiness for a geometry course following an Algebra I course that is fully aligned with the new CCSS.)

Mathematics II: Volunteer for field-testing the new Integrated Math II Readiness test.

Algebra II: SR45A06

Mathematics III: Volunteer for field-testing the new Integrated Math III Readiness test or administer SR45A06.

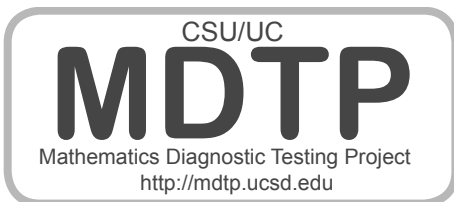
Precalculus: MR45A08

AP Calculus: CR45A12

AP Statistics: MR45A08 and supplemented with an appropriate MDTP written response item.

MDTP REGIONAL SITE INFORMATION

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| <p>Berkeley Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Sonoma, and Stanislaus counties.</p> | <p>UC Berkeley Director: Emiliano Gomez (510) 642-0752 Asst.: Jacqueline Frias (510) 642-0846 Fax: (510) 642-8204 mdtp@math.berkeley.edu</p> |
| <p>Chico Butte, Colusa, Del Norte, Glenn, Humboldt, Lake, Lassen, Mendocino, Modoc, Nevada, Plumas, Shasta, Sierra, Siskiyou, Tehama, Trinity, and Yuba counties.</p> | <p>CSU Chico Director: Sergei Fomin (530) 898-5274 Asst.: Carley Corona (530) 898-4103 Fax: (530) 898-3097 mdtp@csuchico.edu</p> |
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| <p>San Luis Obispo San Luis Obispo, Santa Barbara, and southern Monterey counties.</p> | <p>Cal Poly San Luis Obispo Director: Kate Riley (805) 756-5070 Asst.: Dale Wilbur (805) 756-2445 Fax: (805) 756-6537 dwilbur@calpoly.edu</p> |
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AVAILABLE MDTP DIAGNOSTIC TESTS

| Test Name | Description | Calculator Prohibited | Calculator Optional* | Calculator Required |
|--|---|---|--|---------------------------------------|
| 7R Grade 7 Math Readiness | Assesses some concepts needed for success in a California Common Core State Standards Grade 7 mathematics course. This test should be given near the beginning of a Grade 7 mathematics course. | 7R40A15 0614015 | | |
| 8R Grade 8 Math Readiness | Assesses some concepts needed for success in a California Common Core State Standards Grade 8 mathematics course. This test should be given near the beginning of a Grade 8 mathematics course. | 8R40A15 0814015 | | |
| PR Prealgebra Readiness | Assesses some concepts needed for success in a course immediately preceding a first-year algebra course and subsequent success in that first-year algebra course. This test is often given near the beginning of a course immediately preceding a first-year algebra course. Spanish version available. | PR40A04 0814004 | | |
| HS High School Math Readiness | Assesses some concepts needed for success in a California Common Core State Standards first mathematics course in high school. This test should be given near the beginning of a course in either traditional Algebra I or integrated Math I. | HS45A15 0714515 | | |
| AR Algebra Readiness | Assesses some concepts needed for success in a first course in algebra. Calculator prohibited and calculator required versions available. 45 question and 50 question versions available. Spanish versions available. The AR50A10 test is a computer delivered form only available online via Daskala. | AR45A10 0714510 AR45A00 0714500 AR50A10 | | |
| EA Elementary Algebra Diagnostic | Assesses some concepts needed for success in a second course in algebra. Appropriate when the second course follows immediately after a first-year algebra course and students have not studied a year of geometry. Spanish versions available. | | EA50A90 0315090 | |
| GR Geometry Readiness | Assesses some concepts needed for success in geometry after completing Algebra I or II. Includes some information geometry students should have encountered prior to and during algebra. Spanish versions available. [GR45A93 available while in stock.] | | GR45A06 0414506 GR45A93 0414593 | |
| CP CAHSEE Preparatory Diagnostic | This is a diagnostic test to help determine areas students may need to review during a CAHSEE Preparatory Course or in anticipation of taking the CAHSEE within a year. This is a diagnostic test of items, not a set of CAHSEE practice items. | | CP45A12 0914512 | |
| SR Second Year Algebra Readiness | Assesses some concepts needed from first-year algebra and geometry for success in intermediate algebra following a course in geometry. Spanish versions available. [SR45A93 available while in stock.] | | SR45A06 0314506 SR45A93 0314593 | |
| MR Mathematical Analysis Readiness | Assesses some concepts needed for success in a course following two algebra courses and a geometry course. This course is often called trigonometry, precalculus, or mathematical analysis. | | MR45A08 0214508 | |
| CR Calculus Readiness | Assesses some concepts needed for success in a first calculus course. 40 and 45 question versions have a suggested time of 60 minutes. The 55 question version has a suggested time of 90 minutes. [CR40A97 available while in stock.] | | CR45A12 0114512 CR40A97 0114097 CR55A97 0115597 | |
| BC Beginning Calculus Readiness | Assesses some concepts and facility with graphing calculators needed for success in a first calculus course requiring graphing calculators. Some questions require the use of a graphing calculator. | | | <i>Graphing</i> BC30X97 0173097 |

*Calculators are not recommended on GR45A06, SR45A06, and MR45A08.

The MDTP Written Response Materials CD is available upon request and supplements most MDTP tests.

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NEWSLETTER

Upcoming Events

Each year, MDTP sites hold regional users conferences to discuss current issues in mathematics education in California and effective uses of MDTP materials. The conferences provide an opportunity for conversations among elementary, middle, and high school mathematics teachers and administrators as well as college and university mathematics faculty.

Nov. 3, 2015: UC Davis MDTP Users Conference
Smarter Balance and MDTP Written Response Items
Contact: Tracy Diesslin, tdiesslin@ucdavis.edu
Info: <http://www.conferences.ucdavis.edu/fall2015mdtp>

Nov. 11, 2015: UC Berkeley Assessment Conference
Contact: mdtp@math.berkeley.edu

UCLA Workshop Series: Writing? But this is Math Class!
Using Writing to Support the CCSS Math Practices and Improve Student Learning
Info: <http://mdtpucla.org/writing-in-math>

MDTP also presents and hosts booths at some regional California Mathematics Council conferences, including those for California Community Colleges. Please consider attending some of these events!

Nov. 6-7, 2015: CMC-South Conference, Palm Springs
Orchestrating the Common Core Classroom
Location: Palm Springs Convention Center
Info: <http://www.cmc-south.org/conference-info-2015>

Dec. 11-13, 2015: CMC-North Conference, Asilomar
Getting at the Core of Mathematical Practices
Location: Asilomar State Conference Center
Info: <http://www.cmc-math.org/conferences/cmc-north>

Conferences, workshops, and other events hosted by or involving MDTP will be posted online as they are scheduled. Updated information, flyers, registration links, and forms are available at <http://mdtp.ucsd.edu/NewsEvents.shtml>.