

CSU/UC Mathematics Diagnostic Testing Project

Examples for Using MDTP Assessments Formatively

Using MDTP assessments in effective and appropriate ways supports educators to enhance their students' access to the content in their current course and promote their students' preparation in foundational mathematical topics of their next course. The three examples below show how to use MDTP to engage in formative cycles of teaching and learning.

Using MDTP to Support Formative Cycles of Teaching and Learning

Current Course	Purpose	Recommended Test	Administered
Grade 7 CC Math	<ul style="list-style-type: none"> Inform preparedness for the mathematics in the current course Gather baseline data and identify strengths, misconceptions, and gaps 	Assessment of Preparedness for 7 th Grade Mathematics 7M40A15	Fall Grade 7
	<ul style="list-style-type: none"> Check on intervention focused on misconceptions and/or gaps related to Grade 7 content 	Assessment of Preparedness for 7 th Grade Mathematics 7M40A15	2-4 months after first testing
	<ul style="list-style-type: none"> Inform preparedness for the math in the foundational topics of the next course Inform program reflection and design 	Assessment of Preparedness for 8 th Grade Mathematics 8M40A15	Spring Grade 7
Grade 8 CC Math	<ul style="list-style-type: none"> Inform preparedness for the mathematics in the current course Gather baseline data and identify strengths, misconceptions, and gaps 	Assessment of Preparedness for 8 th Grade Mathematics 8M40A15	Fall Grade 8
	<ul style="list-style-type: none"> Check on intervention focused on misconceptions and/or gaps related to Grade 8 content 	Assessment of Preparedness for 8 th Grade Mathematics 8M40A15	2-4 months after first testing
	<ul style="list-style-type: none"> Provide one of multiple measures to inform course options for 9th grade Inform program reflection and design 	Algebra 1/Integrated Math 1 Readiness Test AMR45A19 (<i>in lieu of 9th Grade Assessment</i>)	Spring Grade 8
Algebra 1 or Int Math 1	<ul style="list-style-type: none"> Inform readiness for the mathematics in the current course Gather baseline data and identify strengths, misconceptions, and gaps 	Algebra 1/Integrated Math 1 Readiness Test AMR45A19	Fall
	<ul style="list-style-type: none"> Check growth on intervention focused on identified misconceptions and/or gaps related to Algebra 1 content 	Algebra 1/Integrated Math 1 Readiness Test AMR45A19	2-4 months after first testing
	<ul style="list-style-type: none"> Gather baseline data for next course readiness and identify strengths, misconceptions, and gaps 	Geometry Readiness GR45A19 or Integrated Second Year Mathematics Test ISR45A20	Mid-Year
	<ul style="list-style-type: none"> Inform readiness for Geometry or Integrated Math 2 Readiness Check growth from mid-year testing Inform program reflection and design 	Geometry Readiness GR45A19 or Integrated Second Year Readiness Test ISR45A20	Spring

- See [Recommendations for Testing and Suggested Use](#) to inform decisions at each secondary level.
- Contact your regional MDTP office for support on using MDTP assessments at secondary grade and course-level math classes.
- Use the following guide [Effective and Appropriate Uses of the MDTP Assessment System](#) to support use of the MDTP Assessment System.
- For information on MDTP Assessments of Preparedness and Readiness Tests or to order tests see: <https://mdtp.ucsd.edu/>.



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MDTP Common Core Aligned Tests

Test Name	Description	Test Code	Test Status
Grade-level Assessments of Preparedness			
Grade 6 Assessment of Preparedness	A diagnostic assessment of students' preparedness in foundational topics necessary for success in a California Common Core Grade 6 mathematics course.	6M35A20	Released 2020
Grade 7 Assessment of Preparedness	A diagnostic assessment of students' preparedness in foundational topics necessary for success in a California Common Core Grade 7 mathematics course.	7M40A15 <i>formerly known as</i> 7R40A15	Released 2015
Grade 8 Assessment of Preparedness	A diagnostic assessment of students' preparedness in foundational topics necessary for success in a California Common Core Grade 8 mathematics course.	8M40A15 <i>formerly known as</i> 8R40A15	Released 2015
Course-level Readiness Tests			
Algebra 1 / Integrated 1 Readiness Test	Assesses students' readiness in foundational topics necessary for success in a California Common Core entry-level Algebra I or Integrated Math 1 course as defined in the Mathematics Framework for California Schools.	AMR45A19 <i>Replaces</i> HS45A15	Released 2019
Geometry Readiness	Assesses students' readiness in foundational topics necessary for success in a California Common Core Geometry course as defined in the Traditional Pathway in the Mathematics Framework for California Schools.	GR45A19	Released 2019
Integrated Second Year Readiness	Assesses students' readiness in foundational topics necessary for success in a California Common Core second-year integrated mathematics course as defined in the Mathematics Framework for California Schools.	ISR45A20 <i>formerly known as</i> IS45A17	Released 2020
Second Year Algebra Readiness	Assesses students' readiness in foundational topics necessary for success in a California Common Core second-year algebra course as defined in the Traditional Pathway in the Mathematics Framework for California Schools.	SR45A19	Released 2019
Integrated Third Year Readiness	Assesses students' readiness in foundational topics necessary for success in a California Common Core third-year integrated mathematics course as defined in the Mathematics Framework for California Schools.	ITR45A20 <i>formerly known as</i> IT45A17	Released 2020
Mathematical Analysis Readiness Field Test	Assesses students' readiness in foundational topics necessary for success in a precalculus course or other courses at that level.	MR45D20	Year Two Field Test
Calculus Readiness	Assesses students' readiness in foundational topics necessary for success in a first year or entry-level calculus course.	CR45A12	Released 2012

Older released versions of MDTP tests may be available online or in paper form and can be requested at mdtp@ucsd.edu.