

## Suggestions for Using MDTP Assessments to Support Formative Cycles of Teaching and Learning

### Articulation from Elementary to Middle School or Middle School to High School

The examples below provide guidelines for using MDTP to inform next-course enrollment options and student preparedness for the topics of mathematics in the upcoming grade-level or course.

MDTP 9th grade assessments were developed in response to SB-359 and are intended to help inform course options for students entering 9th grade courses aligned to the California Common Core State Standards for Mathematics (CA-CCSSM). These tests should be used as *one of multiple measures*, per SB-359 requirements.

The MDTP 9<sup>th</sup> grade assessment platform will open for regular use in December 2021 after being suspended due to remote learning.

Course	Pathway	Purpose	Recommended Test	Administer
Grade 5 CC Math	Advanced Compacted Accelerated	<ul style="list-style-type: none"> <li>• One of multiple measures to inform preparedness for the mathematics in the next course</li> <li>• Inform program reflection and design</li> </ul>	Assessment of Preparedness for 7 <sup>th</sup> Grade Mathematics <b>7M40A15</b>	Spring Grade 5
Grade 5 CC Math	Regular	<ul style="list-style-type: none"> <li>• Inform preparedness for the mathematics in the next course</li> <li>• Inform program reflection and design</li> </ul>	Assessment of Preparedness for 6 <sup>th</sup> Grade Mathematics <b>6M35A20</b>	Spring Grade 5
Grade 8 CC Math	Regular	<ul style="list-style-type: none"> <li>• One of multiple measures to inform 9th grade course options</li> <li>• Inform program reflection and design</li> </ul>	9 <sup>th</sup> Grade Assessment <b>9A40A19</b>	Spring Grade 8
Grade 8 Algebra 1	Advanced Compacted Accelerated	<ul style="list-style-type: none"> <li>• One of multiple measures to inform readiness for geometry</li> <li>• Inform program reflection and design</li> </ul>	Geometry Readiness Test <b>GA40D19</b>	Spring Grade 8
Grade 8 Integrated 1	Advanced Compacted Accelerated	<ul style="list-style-type: none"> <li>• One of multiple measures to inform readiness for integrated second year</li> <li>• Inform program reflection and design</li> </ul>	Integrated Second Year Readiness Test <b>ISA40D19</b>	Spring Grade 8

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### Grade 6: Using MDTP to Engage in Formative Cycles of Teaching and Learning

Course	Pathway	Purpose	Recommended Test	Administer
6 <sup>th</sup> Grade CC Math	Regular	<ul style="list-style-type: none"> <li>• Inform preparedness for the mathematics in the current course</li> <li>• Gather baseline data and identify strengths, misconceptions, and gaps</li> </ul>	Assessment of Preparedness for 6 <sup>th</sup> Grade Mathematics <b>6M35A20</b>	Fall Grade 6
		<ul style="list-style-type: none"> <li>• Check growth related to intervention focused on identified misconceptions and/or gaps related to grade 6 content</li> </ul>	Assessment of Preparedness for 6 <sup>th</sup> Grade Mathematics <b>6M35A20</b>	2-4 months into Grade 6
		<ul style="list-style-type: none"> <li>• Inform preparedness for the mathematics in the next course</li> <li>• Inform program reflection and design</li> </ul>	Assessment of Preparedness for 7 <sup>th</sup> Grade Mathematics <b>7M40A15</b>	Spring Grade 6
	Advanced Grade 6 content	<ul style="list-style-type: none"> <li>• Inform preparedness for the mathematics in the current course</li> <li>• Gather baseline data and identify strengths, misconceptions, and gaps</li> </ul>	Assessment of Preparedness for 7 <sup>th</sup> Grade Mathematics <b>7M40A15</b>	Fall Grade 6
		<ul style="list-style-type: none"> <li>• Check growth related to intervention focused on identified misconceptions and/or gaps related to grade 6 content</li> </ul>	Assessment of Preparedness for 7 <sup>th</sup> Grade Mathematics <b>7M40A15</b>	Mid-Year Grade 6
		<ul style="list-style-type: none"> <li>• Inform preparedness for the mathematics in the next course</li> <li>• Inform program reflection and design</li> </ul>	Assessment of Preparedness for 8 <sup>th</sup> Grade Mathematics <b>8M40A15</b>	Spring Grade 6
Grade 6 Compacted / Accelerated	Compacted / Accelerated Grade 6 and 7 content	<ul style="list-style-type: none"> <li>• Inform preparedness for the mathematics in the current course</li> <li>• Gather baseline data and identify strengths, misconceptions, and gaps</li> </ul>	Assessment of Preparedness for 7 <sup>th</sup> Grade Mathematics <b>7M40A15</b>	Fall Grade 6
		<ul style="list-style-type: none"> <li>• Check growth related to intervention focused on identified misconceptions and/or gaps related to grades 6 and 7 content</li> </ul>	Assessment of Preparedness for 7 <sup>th</sup> Grade Mathematics <b>7M40A15</b>	Mid-Year Grade 6
		<ul style="list-style-type: none"> <li>• Inform preparedness for the mathematics in the next course</li> <li>• Inform program reflection and design</li> </ul>	Assessment of Preparedness for 8 <sup>th</sup> Grade Mathematics <b>8M40A15</b>	Spring Grade 6

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### Grade 7: Using MDTP to Engage in Formative Cycles of Teaching and Learning

Course	Pathway	Purpose	Recommended Test	Administer
7 <sup>th</sup> Grade CC Math	Regular	<ul style="list-style-type: none"> <li>• Inform preparedness for the mathematics in the current course</li> <li>• Gather baseline data and identify strengths, misconceptions, and gaps</li> </ul>	Assessment of Preparedness for 7 <sup>th</sup> Grade Mathematics <b>7M40A15</b>	Fall Grade 7
		<ul style="list-style-type: none"> <li>• Check growth related to intervention focused on identified misconceptions and/or gaps related to grade 7 content</li> </ul>	Assessment of Preparedness for 7 <sup>th</sup> Grade Mathematics <b>7M40A15</b>	2-4 months into Grade 7
		<ul style="list-style-type: none"> <li>• Inform preparedness for the mathematics in the next course</li> <li>• Inform program reflection and design</li> </ul>	Assessment of Preparedness for 8 <sup>th</sup> Grade Mathematics <b>8M40A15</b>	Spring Grade 7
Grade 7  Compacted / Accelerated	Compacted / Accelerated Grade 7 and 8 content	<ul style="list-style-type: none"> <li>• Inform preparedness for the mathematics in the current course</li> <li>• Gather baseline data and identify strengths, misconceptions, and gaps</li> </ul>	Assessment of Preparedness for 8 <sup>th</sup> Grade Mathematics <b>8M40A15</b>	Fall Grade 7
		<ul style="list-style-type: none"> <li>• Check growth related to intervention focused on identified misconceptions and/or gaps related to grades 7 and 8 content</li> </ul>	Assessment of Preparedness for 8 <sup>th</sup> Grade Mathematics <b>8M40A15</b>	Mid-Year Grade 7
		<ul style="list-style-type: none"> <li>• Inform preparedness for the mathematics in the next course</li> <li>• Inform program reflection and design</li> </ul>	Algebra/Math 1 Readiness Test <b>AMR45A19</b>	Spring Grade 7

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### Grade 8: Using MDTP to Engage in Formative Cycles of Teaching and Learning

Course	Pathway	Purpose	Recommended Test	Administer
8 <sup>th</sup> Grade CC Math	Regular	<ul style="list-style-type: none"> <li>• Inform preparedness for the mathematics in the current course</li> <li>• Gather baseline data and identify strengths, misconceptions, and gaps</li> </ul>	Assessment of Preparedness for 8 <sup>th</sup> Grade Mathematics <b>8M40A15</b>	Fall Grade 8
		<ul style="list-style-type: none"> <li>• Check growth related to intervention focused on identified misconceptions and/or gaps related to Grade 8 content</li> </ul>	Assessment of Preparedness for 8 <sup>th</sup> Grade Mathematics <b>8M40A15</b>	2-4 months into Grade 8
		<ul style="list-style-type: none"> <li>• Provides one of multiple measures to inform geometry or integrated second year course options.</li> <li>• Inform program reflection and design</li> </ul>	9 <sup>th</sup> Grade Assessment <b>9A40A19</b>	Spring Grade 8
Grade 8 Algebra 1 or Integrated Math 1 in	Compacted / Accelerated (Algebra 1 or Integrated Math 1)	<ul style="list-style-type: none"> <li>• Inform readiness for the mathematics in the current course</li> <li>• Gather baseline data and identify strengths, misconceptions, and gaps</li> </ul>	Algebra 1/Integrated Math 1 Readiness Test <b>AMR45A19</b>	Fall Grade 8
		<ul style="list-style-type: none"> <li>• Check growth related to intervention focused on identified misconceptions and/or gaps related to Algebra 1 content <i>or</i></li> <li>• Gather baseline data for next course readiness and identify strengths, misconceptions, and gaps</li> </ul>	Algebra 1/Integrated Math 1 Readiness Test <b>AMR45A19</b> <i>or</i> Geometry Readiness <b>GR45A19</b> <i>or</i> Integrated Second Year Readiness <b>ISR45A20</b>	2-4 months into Grade 8 <i>or</i> Mid-Year Grade 8
		<ul style="list-style-type: none"> <li>• Provides one of multiple measures to inform geometry or integrated second year course options.</li> <li>• Inform program reflection and design</li> </ul>	Geometry Assessment <b>GA40D19</b> <i>or</i> Integrated Second Year Assessment <b>ISA40D19</b>	Spring Grade 8

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### Algebra 1 or Integrated Math I: Using MDTP to Engage in Formative Cycles of Teaching and Learning

Course	Pathway	Purpose	Recommended Test	Administer
Algebra 1 or Integrated Math 1	Regular	<ul style="list-style-type: none"> <li>• Inform readiness for the mathematics in the current course</li> <li>• Gather baseline data and identify strengths, misconceptions, and gaps</li> </ul>	Algebra 1/Integrated Math 1 Readiness Test <b>AMR45A19</b>	Fall Algebra 1/IM1
		<ul style="list-style-type: none"> <li>• Check growth related to intervention focused on identified misconceptions and/or gaps related to Algebra 1 content <i>or</i></li> </ul>	Algebra 1/Integrated Math 1 Readiness Test <b>AMR45A19</b>	2-4 months into Algebra 1/IM1
		<ul style="list-style-type: none"> <li>• Gather baseline data for next course readiness and identify strengths, misconceptions, and gaps</li> </ul>	Geometry Readiness <b>GR45A19</b> <i>or</i> Integrated Second Year Mathematics Test <b>ISR45A20</b>	Mid-Year Algebra 1/IM1
		<ul style="list-style-type: none"> <li>• Inform readiness for Geometry or Integrated Math II Readiness</li> <li>• Check growth from mid-year testing</li> <li>• Inform program reflection and design</li> </ul>	Geometry Readiness <b>GR45A19</b> <i>or</i> Integrated Second Year Readiness Test <b>ISR45A20</b>	Spring Algebra 1/IM1
Advanced Algebra 1 or Advanced Integrated Math 1	Compacted / Accelerated	<ul style="list-style-type: none"> <li>• Inform readiness for the mathematics in the current course</li> <li>• Gather baseline data and identify strengths, misconceptions, and gaps</li> </ul>	Algebra 1/Integrated Math 1 Readiness Test <b>AMR4519</b>	Fall Algebra 1/IM1
		<ul style="list-style-type: none"> <li>• Check growth related to intervention focused on identified misconceptions and/or gaps related to Algebra 1 content <i>or</i></li> </ul>	Algebra 1/Integrated Math 1 Readiness Test <b>AMR4519</b>	2-4 months into Algebra 1/IM1
		<ul style="list-style-type: none"> <li>• Gather baseline data for next course readiness and identify strengths, misconceptions, and gaps</li> </ul>	Geometry Readiness Test <b>GR45A19</b> <i>or</i> Integrated Second Year Readiness Test <b>ISR45A20</b>	Mid-Year Algebra 1/IM1
		<ul style="list-style-type: none"> <li>• Inform readiness for Advanced Geometry or Advanced Integrated Math II</li> <li>• Check growth from mid-year testing</li> <li>• Inform program reflection and design</li> </ul>	Geometry Readiness Test <b>GR45A19</b> <i>or</i> Integrated Second Year Readiness Test <b>ISR45A20</b>	Spring Algebra 1/IM1

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### Geometry or Integrated Math 2: Using MDTP to Engage in Formative Cycles of Teaching and Learning

Course	Pathway	Purpose	Recommended Test	Administer
Geometry or Integrated Math 2	Regular	<ul style="list-style-type: none"> <li>• Inform readiness for the mathematics in the current course</li> <li>• Gather baseline data and identify strengths, misconceptions, and gaps</li> </ul>	Geometry Readiness Test <b>GR45A19</b> or Integrated Second Year Readiness Test <b>ISR45A20</b>	Fall Geometry/IM2
		<ul style="list-style-type: none"> <li>• Check growth related to intervention focused on identified misconceptions and/or gaps related to Geometry or Integrated II content <b>or</b></li> </ul>	Geometry Readiness <b>GR45A19</b> or Integrated Second Year Readiness <b>ISR45A20</b>	2-4 months into Geometry/IM2
		<ul style="list-style-type: none"> <li>• Gather baseline data for next course readiness and identify strengths, misconceptions, and gaps</li> </ul>	Second Year Algebra Readiness <b>SR45A19</b> or Integrated Third Year Readiness <b>ITR45A20</b>	Mid-Year Geometry/IM2
		<ul style="list-style-type: none"> <li>• Inform readiness for Algebra II or Integrated Math III</li> <li>• Check growth from mid-year testing</li> <li>• Inform program reflection and design</li> </ul>	Second Year Algebra Readiness Test <b>SR45A19</b> or Integrated Third Year Readiness Test <b>ITR45A20</b>	Spring Geometry/IM2
Advanced Geometry or Advanced Integrated Math 2	Advanced / Accelerated	<ul style="list-style-type: none"> <li>• Inform readiness for the mathematics in the current course</li> <li>• Gather baseline data and identify strengths, misconceptions, and gaps</li> </ul>	Geometry Readiness <b>GR45A19</b> or Integrated Second Year Readiness Test <b>ISR45A20</b>	Fall Geometry/IM2
		<ul style="list-style-type: none"> <li>• Check growth related to intervention focused on identified misconceptions and/or gaps related to Geometry or Integrated II content <b>or</b></li> </ul>	Geometry Readiness <b>GR45A19</b> or Integrated Second Year Readiness Test <b>ISR45A20</b>	2-4 months into Geometry/IM2
		<ul style="list-style-type: none"> <li>• Gather baseline data for next course readiness and identify strengths, misconceptions, and gaps</li> </ul>	Second Year Algebra Readiness Test <b>SR45A19</b> or Integrated Third Year Readiness Test <b>ITR45A20</b>	Mid-Year Geometry/IM2
		<ul style="list-style-type: none"> <li>• Inform readiness for Advanced Algebra II or Advanced Integrated Math III</li> <li>• Check growth from mid-year testing</li> <li>• Inform program reflection and design</li> </ul>	Second Year Algebra Readiness <b>SR45A19</b> or Integrated Third Year Readiness Test <b>ITR45A20</b>	Spring Geometry/IM2

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### Algebra II or Integrated Math 3: Using MDTP to Engage in Formative Cycles of Teaching and Learning

Course	Pathway	Purpose	Recommended Test	Administer
Advanced Algebra 2 or Advanced Integrated Math 3	Advanced (includes Pre-calculus topics)	<ul style="list-style-type: none"> <li>• Inform readiness for the mathematics in the current course</li> <li>• Gather baseline data and identify strengths, misconceptions, and gaps</li> </ul>	Second Year Algebra Readiness Test <b>SR45A19</b> or Integrated Third Year Readiness Test <b>ITR45A20</b>	Fall Algebra 2/IM3
		<ul style="list-style-type: none"> <li>• Check growth related to intervention focused on identified misconceptions and/or gaps related to Algebra II or Integrated III content</li> </ul> <i>or</i>	Second Year Algebra Readiness Test <b>SR45A19</b> or Integrated Third Year Readiness Test <b>ITR45A20</b>	2-4 months into Algebra 2/IM3
		<ul style="list-style-type: none"> <li>• Check on readiness for Precalculus topics</li> </ul>	Precalculus Readiness Test <b>PR45A22</b>	Mid-Year Algebra 2/IM3
		<ul style="list-style-type: none"> <li>• Inform readiness for Calculus</li> <li>• Inform program reflection and design</li> </ul>	Calculus Readiness <b>CR45A12</b>	Spring Algebra 2/IM3
Algebra 2 or Integrated Math 3	Regular	<ul style="list-style-type: none"> <li>• Inform readiness for the mathematics in the current course</li> <li>• Gather baseline data and identify strengths, misconceptions, and gaps</li> </ul>	Integrated Third Year Readiness Test <b>ITR45A20</b>	Fall Algebra 2/IM3
		<ul style="list-style-type: none"> <li>• Check growth related to intervention focused on identified misconceptions and/or gaps related to Algebra II or Integrated III content</li> </ul>	Integrated Third Year Readiness Test <b>ITR45A20</b>	2-4 months into Algebra 2/IM3
		<ul style="list-style-type: none"> <li>• Inform readiness for Precalculus or other coursework</li> <li>• Inform program reflection and design</li> </ul>	Precalculus Readiness Test <b>PR4A522</b>	Spring Algebra 2/IM3

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### Precalculus and Calculus: Using MDTP to Engage in Formative Cycles of Teaching and Learning

Course	Pathway	Purpose	Recommended Test	Administer
Quantitative Reasoning	Traditional or integrated	<ul style="list-style-type: none"> <li>• Inform readiness for the mathematics in the current course</li> <li>• Gather baseline data and identify strengths, misconceptions, and gaps</li> </ul>	Quantitative Reasoning Field Test <b>QR45D22</b>	Fall 12 <sup>th</sup> Grade QR Class
Precalculus or Math Analysis	Regular / Honors	<ul style="list-style-type: none"> <li>• Inform readiness for the mathematics in the current course</li> <li>• Gather baseline data and identify strengths, misconceptions, and gaps</li> </ul>	Precalculus Readiness Field Test <b>PR45A22</b>	Fall Precalculus/MA
		<ul style="list-style-type: none"> <li>• Check growth related to intervention focused on identified misconceptions and/or gaps related to Precalculus or Math Analysis content</li> </ul> <i>or</i>	Precalculus Readiness Field Test <b>PR45A22</b>	2-4 months into Precalculus/MA
		<ul style="list-style-type: none"> <li>• Check on readiness for Calculus topics</li> </ul>	Calculus Readiness Test <b>CR45A12</b>	Mid-Year Precalculus/MA
		<ul style="list-style-type: none"> <li>• Inform readiness for Calculus or other course options</li> <li>• Inform program reflection and design</li> </ul>	Calculus Readiness Test <b>CR45A12</b>	Spring Precalculus/MA
Calculus	AP or Non-AP	<ul style="list-style-type: none"> <li>• Inform readiness for the mathematics in the current course</li> <li>• Gather baseline data and identify strengths, misconceptions, and gaps</li> </ul>	Calculus Readiness Test <b>CR45A12</b>	Fall Calculus
		<ul style="list-style-type: none"> <li>• Check growth related to intervention focused on identified misconceptions and/or gaps related to Calculus</li> </ul>	Calculus Readiness Test <b>CR45A12</b>	2-4 months into Calculus