

ASSESSMENT OVERVIEW Student Packets and Teacher Guide

Grades 6, 7, 8

2015

To help you more fully understand the assessments, extra commentary for each slide is located at the bottom of it.

Some Terms

Formative assessment

-built into the learning process

-central to pedagogy

-monitors progress

-aims to moves instruction forward

Summative assessment

-formal "summing up" of student progress
-comes at the end of a learning episode
-measures knowledge at a given point in time

Many assessments can be used for both formative and summative purposes. These are not labels for different types of assessments. Rather, they describe how the assessments are used.



There are many opportunities for formative and summative assessment in MathLinks.

Assessments are located in the Assessment Envelope included with each Teacher Pack. They are available in .pdf format and an editable .docx format and at <u>www.mathandteaching.org</u> through a Teacher Login.

(Contact <u>cary@mathandteaching.org</u> for login.)







Several pages at the end of the MathLinks Student Packet (SP) are useful for formative assessment. The "Selected Response" page includes multiple-choice type questions patterned after those on SBAC where more than one answer may be correct. Knowledge checks are appropriate as warmups or review. Students can share what they learned on Home-School Connection page where a line for parent signature is included.

Additionally, formative assessment may take place as teachers check daily work in SPs or ask questions, that appear in dark italic print in the Teacher Guide. Please feel free to adjust lesson plans based on what happens in the classroom.



Quizzes are included for each of the sixteen packets of MathLinks. They require straightforward responses, similar to the work in packets. Two parallel forms are provided, which may be used for review or reteaching as needed.

In MathLinks, we consider quizzes to be less summative than tests because students will continue to practice concepts in future packets after they are introduced. Teachers may want to weight quizzes less in a student's grade than other work because they are given before students are expected to attain fluency.



MathLinks Tests assess basic content from a packet with the corresponding number. That is, Test Part 7 assesses the content in Packet 7. Each test generally includes 4-6 items in selected response or short answer formats. They are organized into parts to allow flexibility when assembling summative assessments. They are NOT intended to be given right after the completion of a packet.

We envision that students will take cumulative assessments several weeks after the completion of packets because they attain fluency through skill builders. For more information about how to combine tests to create cumulative assessments, please look at page 4 in the Assessment Information Tab of the Teacher Resource Guide.

Proficiency Challenges



	10100
	PROFICIENCY CHALLENGE 7
Co	omplete each problem on your own paper. Show all work. Use graph paper if
4	
1.	The graph of a function is to the right.
	a. Is this function linear? Explain.
	b. Which one of the following tables of values (I-IV) could represent this function? Explain your reasoning.
	<u>і </u>
	x y X y x y x y 0 -2 -2 3 -2 4 0 0
	4 -2 -2 7 2 0 4 16
2.	d. Which one of the tables above represents a relationship that is not a function? Daniel and Suzette collected data about how far they move from a starting point after each step. The both let <i>r</i> represent the number of steps taken and <i>D</i> represent the distance (in meters) from the start.
	Daniel put his data in the table to the right.
	Suzette found the following linear equation to model her data:
	a. On a graph paper, draw a vertical axis, label it "Distance from the start" and scale appropriately. Draw a horizontal axis on and label it "step number" and scale appropriately. Give your graph a title.
	Make a graph of Daniel's data and label it. Then write a linear equation for Daniel's data.
	c. Make a graph of Suzette's equation and label it.
	d. Who took bigger steps, Daniel or Suzette? Defend your answer using evidence from

Proficiency challenges assess skills, concepts and applications with more rigorous questions than those found on quizzes. They are typically 1 or 2 pages long. Often students apply concepts learned from current or past work. Most do not include structured work space, so students must organize and complete their work on their own paper. Many items are similar to those released by the Smarter Balanced Assessment Consortium.

Two possible uses of Proficiency Challenges are as a challenging assessment of content, or as individual or group practice prior to a quiz or test.

Tasks





There is at least one, and up to four, tasks for each *MathLinks* packet. Tasks are rich problems that may be used as longer assignments, problems of the week, or projects. They include skill building challenges, conceptual development extensions, and real world problems. Because we allocate two to three days for each lesson in *MathLinks*, there should be sufficient time for students to tackle tasks on a regular basis. Charts showing alignment of tasks to Smarter Balanced claims and math practices are included in the Tab 4 and Tab 5 of the Teacher Guide.

More Performance Tasks

http://www.insidemathematics.org

• http://www.smarterbalanced.org

https://www.illustrativemathematics.org

We highly recommend that you include our tasks, or others you may find, regularly during the year. Many good tasks available on the internet.

Depth of Knowledge (DOK)



Finally, did you know that one of the main differences between high stakes assessment in previous years, such as California's CST, and the current assessments, such as Smarter Balance, is the level of DOK in questions. According to David Foster, less than 2% of the CST questions were at DOK level 3, while currently about 49% of the SBAC questions are at DOK level 3. This clearly has important implications for how we teach and assess if we want students to be prepared for new assessments.

Thank you. We look forward to hearing from you.



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