

Louisiana Believes

LEAP Connect Sample Mathematics
Constructed Response
Webinar
October 16, 2019

Agenda

The purpose of this webinar is to provide support in using the LEAP Connect Mathematics Sample Constructed Response items.

1. Overview
2. Materials needed
3. Administration
4. Troubleshooting
5. Wrap Up

LEAP Connect Sample Mathematics CR Items

The LEAP Connect math assessments contains Constructed Response (CR) items in most grades. CRs require students to demonstrate their mathematical knowledge by producing a response (i.e. completing a graph, table, etc.,)

The sample CRs give educators and students a chance to practice these items

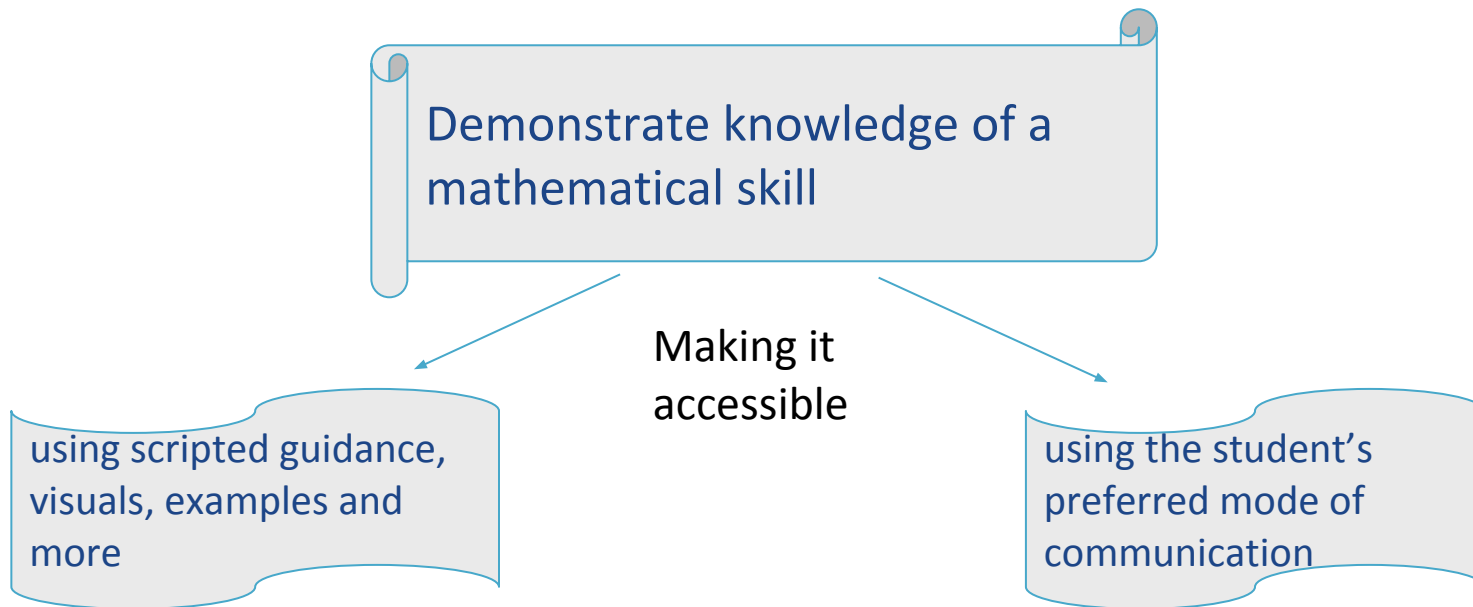
Teachers may use these items as often as they wish to familiarize themselves and their students with the process.

Students may use their preferred method of communication

The background of the slide is a watercolor-style illustration. It features a central white area that tapers towards the top and bottom, creating a sense of depth. This white area is surrounded by various shades of blue, from light sky blue to deep, dark teal. The colors are blended together with soft, irregular edges, giving it a painterly, artistic feel. The overall composition is balanced and clean.

Overview

Why a Constructed Response?



Types of Math CRs

Students will demonstrate their knowledge of mathematical skills by completing a specific task. These may include:

- Identifying points on a graph
- Completing a chart with the correct number of items
- Completing a chart with specific shapes
- Grouping items
- Matching shapes
- Completing a histogram

In all instances, students who are unable to manipulate the items themselves can receive TA assistance.

Materials Needed

Best First Steps

- 1. Preview the item** and go through the motions of taking the item as a student.
 - Anticipate where your student may encounter difficulties with accessing the items or performing the tasks.
 - If your student is non-verbal or lacks the fine motor skills to do these, consider alternatives and make sure the student is familiar with them.
- 2. Prepare the reference materials** so that your students can access this item using whatever accessibility supports they might need.
 - If your student is accustomed to using certain manipulatives, tactiles or objects for the items in these samples, use those.

LEAP Connect Sample Constructed Response Directions for Administration

This document has specific instructions for the sample CR items such as:

1. exact wording of the items to be read by the TA
2. a list of materials needed
3. guidelines for how to present the items to the student

Download this from:

<https://www.louisianabelieves.com/resources/library/assessment> (Assessment Guidance Library)

The logo for LEAP CONNECT, with 'LEAP' in a larger, bold, sans-serif font above 'CONNECT' in a smaller, bold, sans-serif font. Both words are in a light blue color with a subtle texture.

Sample

Mathematics Constructed Response

Directions for Administration

Grades 3-8, 11

Students should not be shown
this document.

LEAP Connect Mathematics Sample CR Reference Materials

The Reference Materials are where the student will actually complete the activity.

They contain the graphs, charts and other materials the student will need to demonstrate their understanding of the mathematical skill.

Teachers will need to prepare these items in advance for student use.

The logo for LEAP CONNECT. The word "LEAP" is in a large, bold, grey, distressed font with a white outline. Below it, the word "CONNECT" is in a smaller, bold, grey, distressed font with a white outline.

Sample

Mathematics Constructed Response

Reference Materials

Grades 3-8, 11

Administration

Getting Ready

Have these ready, side-by-side.

LEAP
CONNECT

Sample

Mathematics Constructed Response

Directions for Administration

Grades 3-8, 11

LEAP
CONNECT

Sample

Mathematics Constructed Response

Reference Materials

Grades 3-8, 11

Before You Start

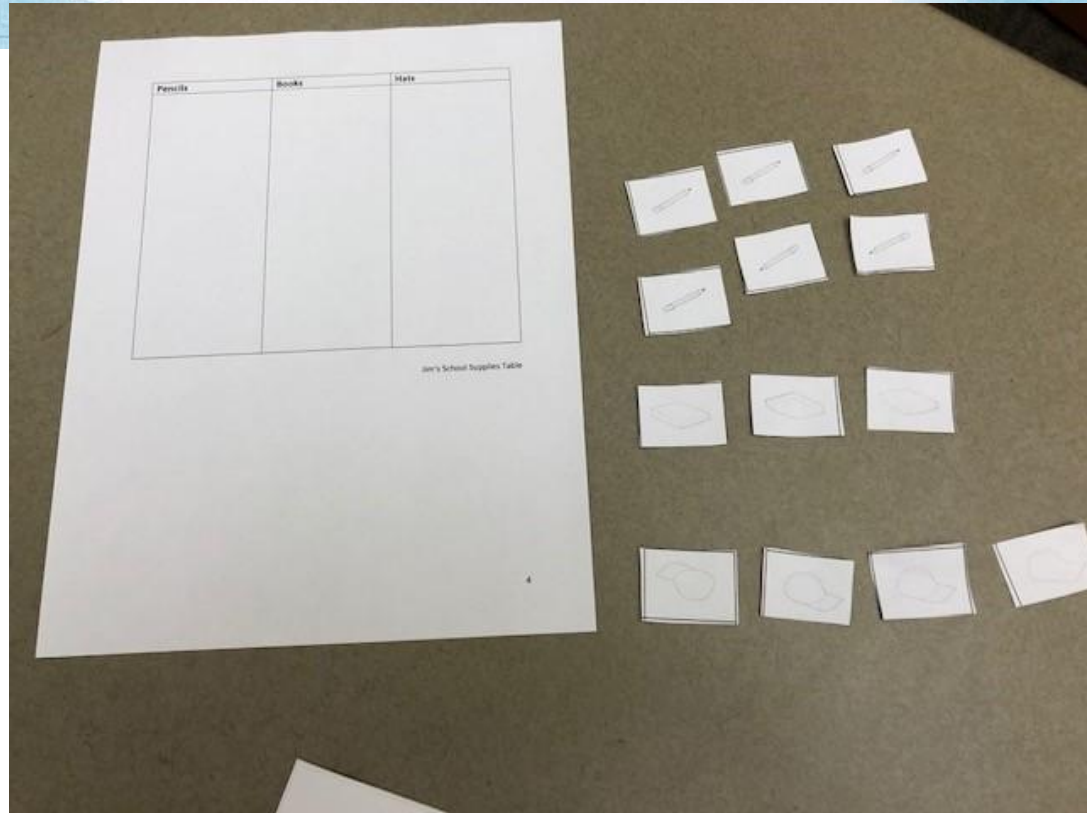
Read through the Directions for Administration and the Reference Materials to see if you:

- need to **prepare materials** for student to use
- should download materials to an alternative communication device
- need to **create additional** images or use object replacement
- have questions about format or administration

Send your questions to assessment@la.gov

Step One

Prepare the Materials-



Step Two

Begin reading from the Directions for Administration-

These are TA directions and describe what the TA should do and say in addition to the regular text

Provide student with the cut-out printed shapes from Jim's Things and Jim's School Supplies Table from the Sample Mathematics Reference Materials

Item 1

This item is about completing a data table.

Place cut-out shapes from Jim's Things in front of student.

Jim is getting his supplies ready for school.

Point to the objects and read the graphic description.

[Graphic description: "These supplies are pencils. These supplies are books. These supplies are hats."]



This tells you which materials to have available for the student for this item.

These are from the Reference Materials.

Step Three

Continue administration-

Jim needs 2 pencils, 3 books and 1 hat.

Select the pictures of the supplies he needs and put them into Jim's School Supplies Table.

Place Jim's School Supplies Table from the Sample Mathematics Reference Materials in front of the student. Point to each part as you read the graphic description.

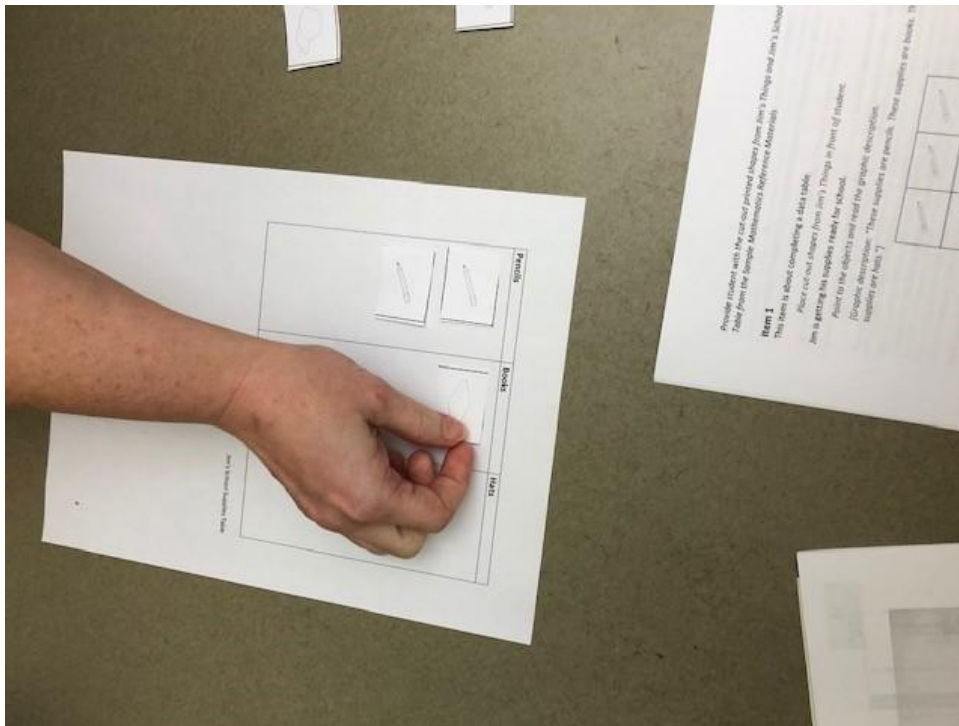
[Graphic Description: "This is a table titled Jim's School Supplies Table. It is divided into three columns. The first column is labeled Pencils. The middle column is labeled Books. The last column is labeled Hats."]

These directions specify when to present students with the materials to complete the item, and they give the student the directions for what to do.

Student completing the Item

This image shows a student completing the chart as the teacher has instructed.

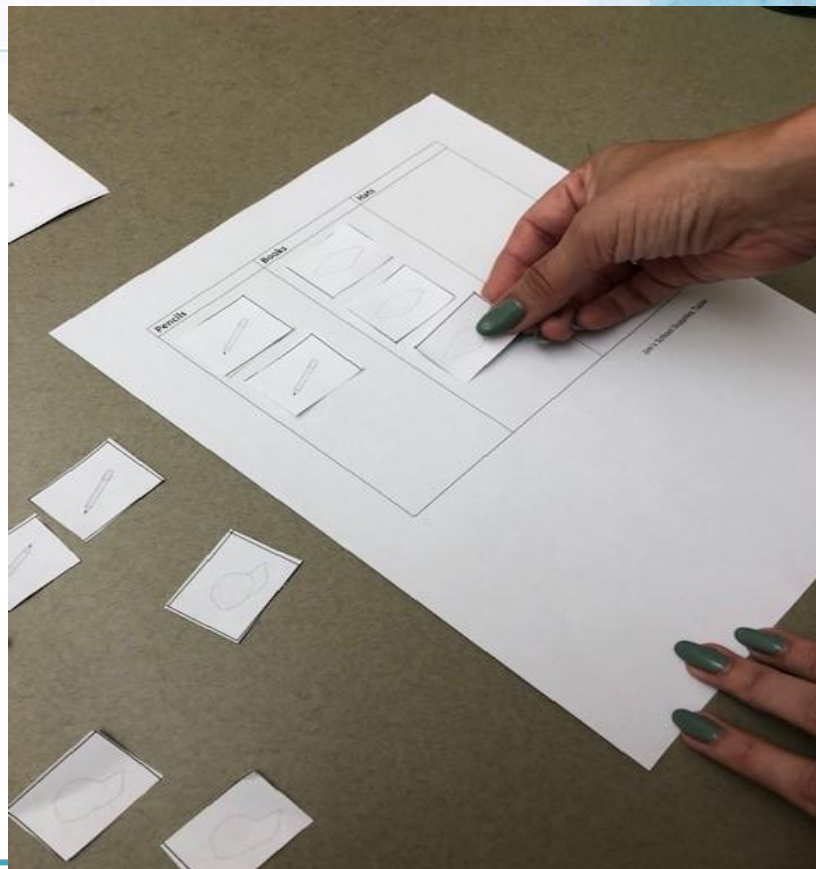
She is able to manipulate the items and place the required supplies on the chart.



Teacher Assists the Student

Here the teacher is placing the items onto the chart because the student is unable to manipulate them on her own.

The student has communicated where the items should go.



Final Step in Administration

The final step is to score the item using the item specific rubric.

After the student completes their response: Use this rubric to score the student's response.


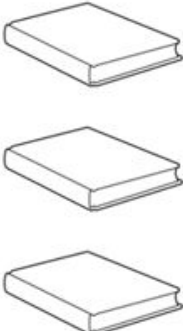

Score	Description
1	Student correctly placed two pencils, three books and one hat in the chart.
0	Student does not correctly place the objects in the chart.

For the OTT and actual assessment, the score would be recorded directly into the DRC INSIGHT system.

Sample Answer

Each of the sample items come with a sample answer:

Sample Answer

Pencils	Books	Hats
		

This is why the student should not be shown the Directions for Administration.

Troubleshooting

Common Obstacles

- Student is non-verbal
 - TA must work with student's preferred communication modality
 - TA should review materials before administering to see what accommodations must be made
 - TA should reproduce and cut out materials for use during administration
- Student cannot physically manipulate the items
 - TA should review the sample mathematics CR materials
 - student may point to or indicate responses through their preferred communication modality
 - TA may assist the student after the student has indicated their response (however conveyed)



Wrap Up

Next Steps

Key Dates	Action
Now	<ul style="list-style-type: none">● Administer LEAP Connect Sample Mathematics CR● Administer LEAP Connect Sample ELA CR● Use the LEAP Connect OTT (access with Google Chrome)● Review the LEAP Connect Assessment Guides
January 2020	Receive and review LEAP Connect TA training and materials
February 3 - March 13, 2020	LEAP Connect assessment window

Email assessment@la.gov with any questions.

Resources

- [LEAP Connect Assessment Guides](#)—provides information about the LEAP Connect assessments
- [LEAP Connect Achievement Level Descriptors](#)—a guide to the Achievement Levels with a list of the skills and knowledge students at each level are generally able to demonstrate
- [Online Tools Training](#)—provides students and teachers opportunities to become familiar with the tools available in the online testing platform
- [LA Connectors for Students with Significant Disabilities](#)—K-12 ELA and math standards for instruction of SWSD
- [LA Connectors Essential Elements Cards](#)—cards that assist educators with individualizing instruction for SWSD both in inclusive and self-contained environments
- [Lesson Plan Adaptation-ELA](#) and [Lesson Plan Adaptation-Math](#)—templates for lesson plans with supports and accommodations for SWSD for ELA and math at any grade level