



Unfinished Learning in a Post-COVID World

Presenters



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Agenda

- The post-COVID challenge
- Quick review: Lexile and Quantile measures
- Accessing the tools to communicate COVID-loss

Our Unique Challenge in the Here and Now:

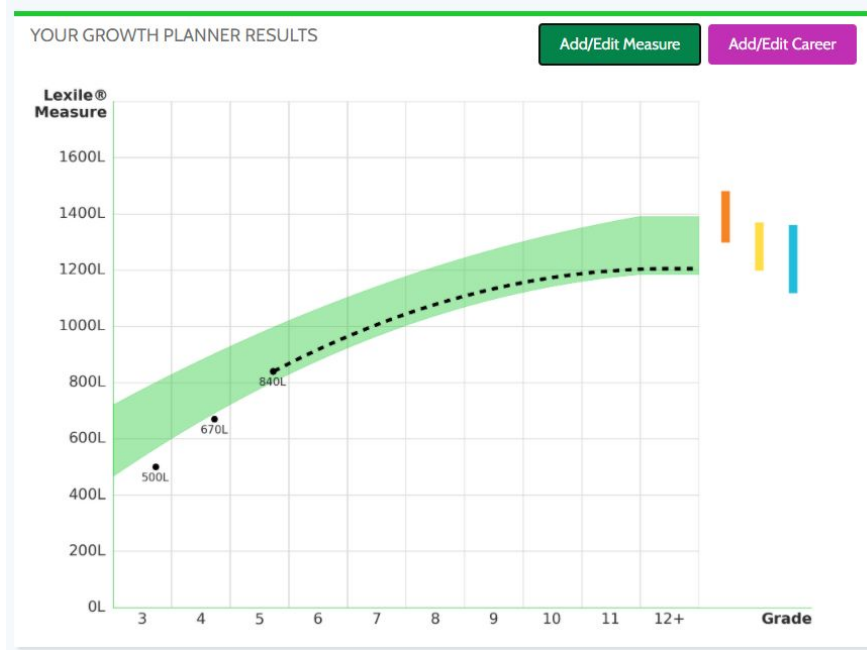
To quantify and communicate COVID-loss (at the individual student and aggregate levels) to a variety of stakeholders--educators, students, families, communities--in a compelling, visual manner.

An Example

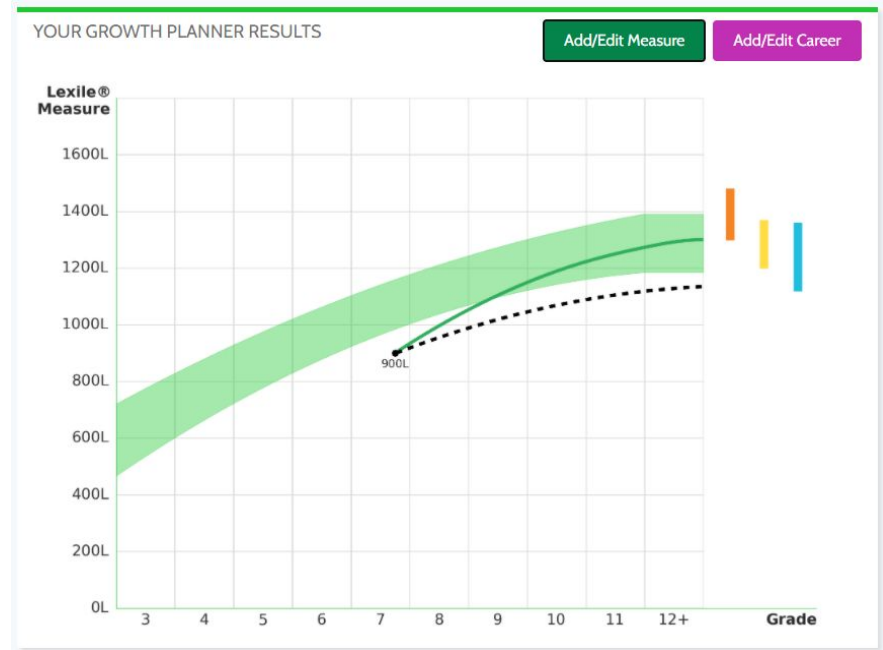
Imagine a student with the following data points:

Grade Level	SY	Lexile Measure
3	16/17	500L
4	17/18	670L
5	18/19	840L
6	19/20	No testing -- COVID
7	20/21	900L

In the Growth Planner:



Pre-COVID



Post-COVID

Individual Students & Cohorts

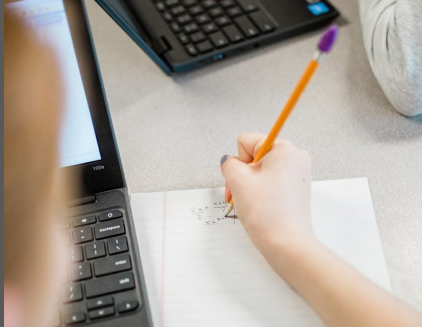
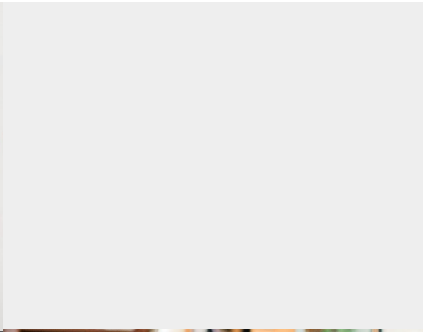
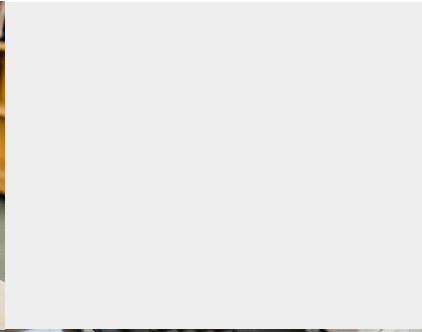
Same principles for individual students could apply as well for aggregate data:

- Grade level
- Race/ethnicity
- SES status
- SPED status
- Predominant mode of SY20/21 instruction (remote, hybrid, in-person)

Why a State and its Educators Would Care...

- Empirical data on COVID-loss is just beginning to emerge
- Educators will soon be pressed to explain that impact in language and visuals that are easy to understand
- Such information will be highly desirable to state and local leaders in targeting COVID resources to highest-need populations
- Local-level educators and classroom teachers will be pressed to explain--and develop plans to remedy--such impacts on individual students

A Quick Review



The Lexile Framework for Reading

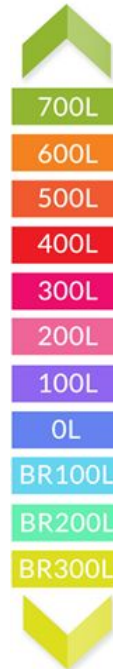
Lexile measures match readers and text on the same scale.

A Lexile reading measure represents a student's reading ability.

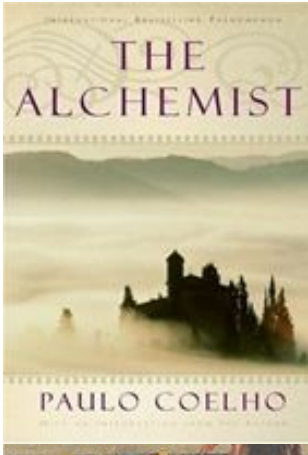
LEXILE READER MEASURE



910L



LEXILE TEXT MEASURE



910L

A Lexile text measure represents its reading complexity.

The Quantile Framework for Mathematics

Measures math readiness and complexity on the same scale.

A student's
Quantile
measure is
her
*readiness
for math
instruction.*



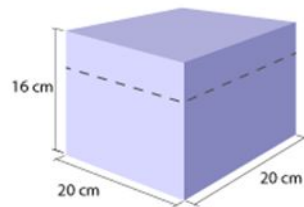
840Q

QUANTILE STUDENT
MEASURE



QUANTILE LESSON
MEASURE

- a. Amy has a fish tank shaped like a rectangular prism that is 20cm by 20cm. What is the volume of the tank?



- b. If Amy only fills the tank $\frac{3}{4}$ of the way, what will be the volume of the water in the tank?

A Quantile
material
measure
represents its
*math
complexity.*

840Q

Where Can I Find These Measures?

- Measures are reported from your statewide assessments
- Many interim/benchmark assessments and instructional programs used at the local level also report



Lexile Student Measures at the Local Level

Over 65 popular reading assessments & instructional programs report Lexile measures.

aimsweb



empower
assessments

ETS TOEFL Primary

SRA
FLEX
LITERACY

i-Ready

Imagine Learning

Istation

KidBiz 3000

myON

nwea
map



Performance Series[™]
WEB-BASED DIAGNOSTICS

RQ Reading
Inventory



STAR[™]
Assessments



Quantile Student Measures at the Local Level

Over 20 popular math assessments report Quantile measures.

aimsweb

Mc
Graw
Hill CTB
McGraw-Hill

ERB

fueleducation™
the new power of learning

i-Ready®

nwea
map®

T T M
Think Through Math

Math
Inventory™

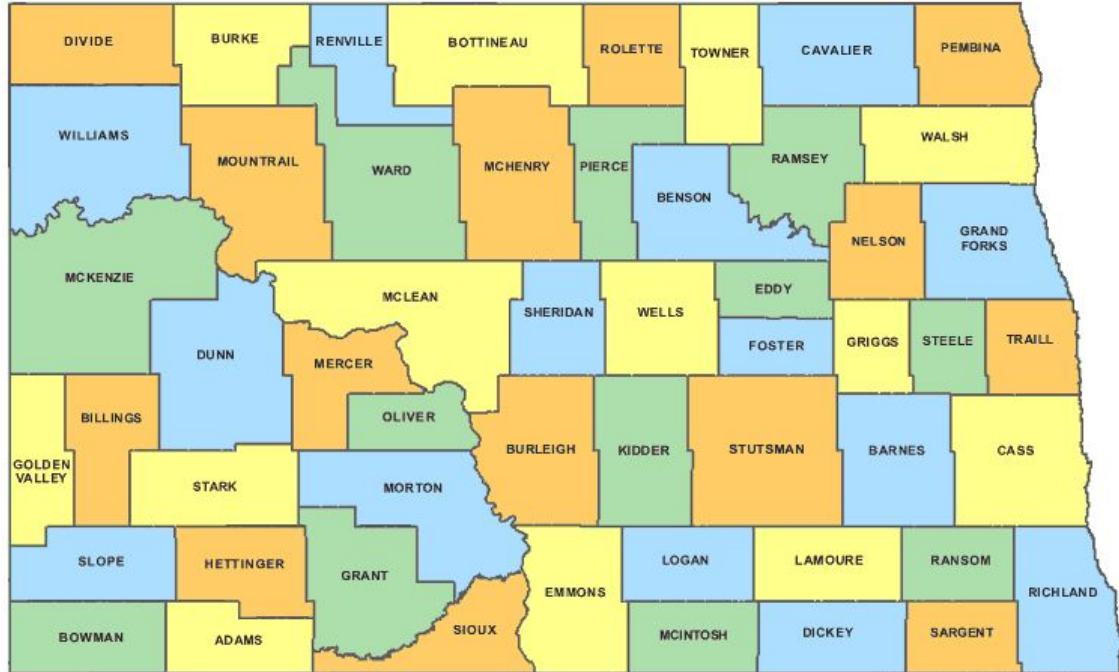
Istation

THE
IOWA TESTS™
Measurement You Can Trust™
Innovation You Can Use

VOYAGER SOPRIS
LEARNING™



In 2020-2021 school year...




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Students in grades
3-8 and grade 10
will
receive a
Lexile
and
Quantile measure
on the North Dakota
State Assessment

Information for parents and educators:

<https://ndsa.portal.cambiumast.com/resources/lexile-quantile-ar/>



Advanced Search 

- Students & Families
- Administration Resources
 - Tutorials
 - Communication Toolkit
 - Lexile and Quantile
 - Lexile Resources
 - Quantile Resources
 - General Information
 - User Guides
 - NDSA Memos
- Technology Coordinators

Administration Resources – Lexile and Quantile

Lexile and Quantile Measures in North Dakota

The Lexile® Framework for Reading, commonly referred to as the Lexile Framework, has been linked to the North Dakota State Assessment (NDSA) in English Language Arts (ELA) in grades 3 – 8 and high school. Similarly, The Quantile® Framework for Mathematics has been linked to the NDSA in grades 3 – 8 and high school. Students in North Dakota also may be receiving Lexile and Quantile measures from a variety of different tests and programs used within their local schools. With Lexile and Quantile measures, educators and parents can spur and support student learning.

What is a Lexile measure?

There are two kinds of Lexile® measures: Lexile student measures and Lexile text measures. Lexile student measures describe how strong of a reader a child is. Lexile text measures describe how difficult, or complex, a text like a book or magazine article is. Lexile measures are expressed as numeric measures followed by a “L” (for example, 850L), and represent a position on the Lexile scale. Comparing a student’s Lexile measure with the Lexile measure of what he is reading helps us to gauge the “fit” between a student’s ability and the difficulty of text.

To find out more about Lexile measures, visit [Lexile.com](https://www.lexile.com).

Lexile Measures in North Dakota

Students will receive a Lexile measure from the NDSA for ELA. Click [here](#) to view a score report sample containing Lexile measure information.

Additional reading tests and instructional programs have the ability to report students’ performance in terms of Lexile measures. Click [here](#) to access a list of assessments, by assessment type, which provide student Lexile measures.

What is a Quantile measure?

Similar to Lexile measures, there are two types of Quantile® measures: a measure for students and a measure for mathematical skills and concepts. The student measure describes what mathematics the student already understands and what mathematics the student will learn in the future. The skill measure describes the difficulty, or demand, in learning that skill. Quantile measures improve mathematics teaching and learning by targeting instruction and monitoring student growth toward learning standards and the mathematical demands of college and careers.

To find out more about Quantile measures, visit [Quantiles.com](https://www.quantiles.com).

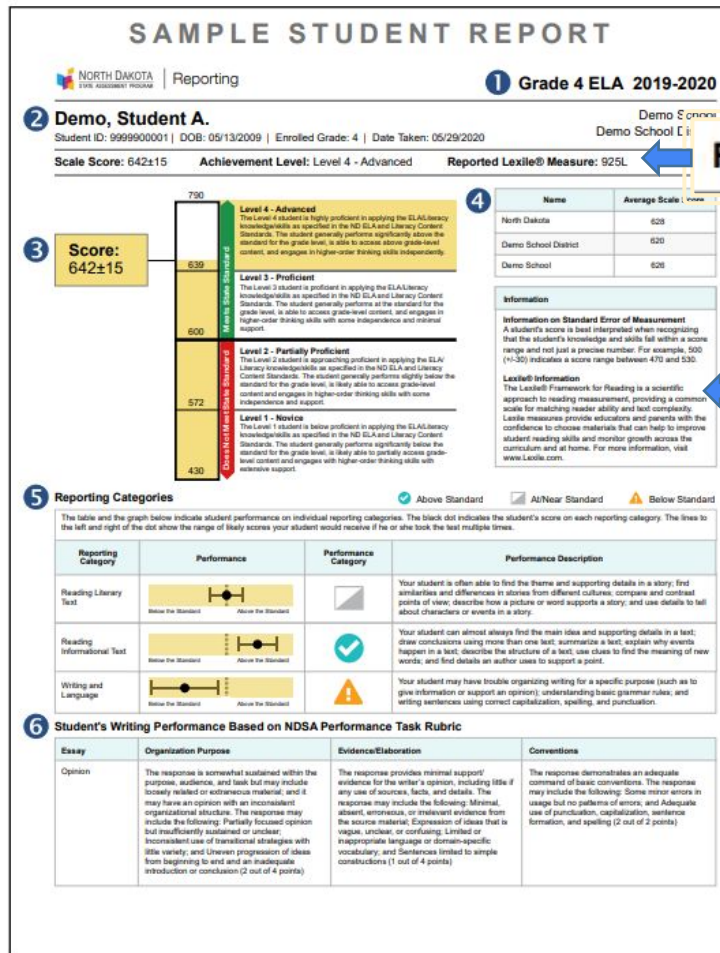
Quantile Measures in North Dakota

Students will receive a Quantile measure from the NDSA in Mathematics in grades 3 – 8 and high school. Click [here](#) to view a score report sample containing Quantile measure information.

Additional mathematics tests and instructional programs have the ability to report students’ performance in terms of Quantile measures. Click [here](#) to access a list of assessments, by assessment type, which provide student Quantile measures.

NDSA Score Report

UNDERSTANDING YOUR STUDENT'S SCORES



1 Subject Area and Grade Level

This heading tells you which subject and grade level the score report covers.

2 Summary of Test Performance

Reported Lexile® Measure: 925L

3 Your Student's Scale Score and Overall Performance

Your student's scale score and where it falls on the four achievement levels.

Lexile® Information

The Lexile® Framework for Reading is a scientific approach to reading measurement, providing a common scale for matching reader ability and text complexity. Lexile measures provide educators and parents with the confidence to choose materials that can help to improve student reading skills and monitor growth across the curriculum and at home. For more information, visit www.Lexile.com.

4 BEST WITH THE SUBJECT AREA

- Reporting Category performance is reported as: below standard (⚠), at/near standard (👍), or above standard (✅).

Bar charts show how your student performed on each reporting category (black dot), relative to the reporting category achievement standard (dashed line). The lines to the left and right of the dot (—) shows the score range that your student would likely fall within if they took the test multiple times.

6 Writing Performance

ELA reports include descriptions of the student's performance on the writing portion based on the performance task writing rubric for each criterion. If a condition code appears for one or more criteria in this section, then the student's written response could not be scored on those criteria.



Individual Student Report

How did my student perform on the Mathematics test?

Test: NDSA Mathematics Grade 5

Year: 2017-2018

Name: Demo, Student B.

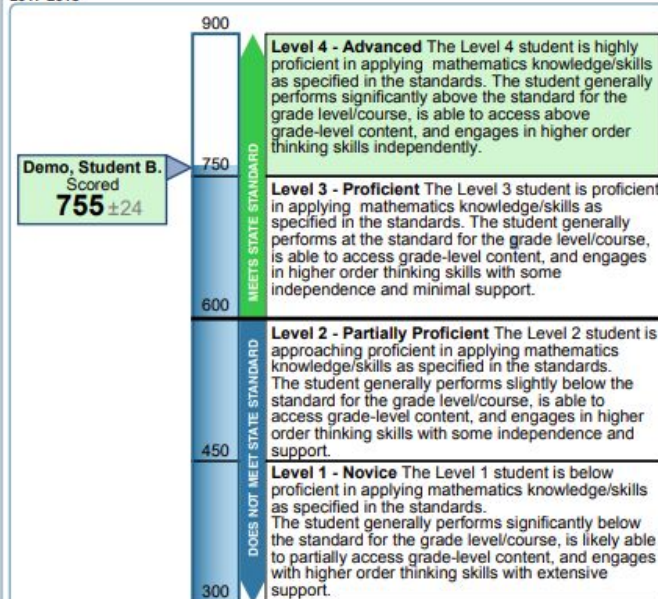
Reported Quantile Measure:

Quantile Information

Overall Performance on the NDSA Mathematics Grade 5 Test: Demo, Student B., 2017-2018

Name	SSID	Scale Score	Achievement Level	Reported Quantile Measure
Demo, Student B.	999992233	755 ±24	Level 4 - Advanced	810Q

Scale Score and Performance on the NDSA Mathematics Grade 5 Test: Demo, Student B., 2017-2018



The Quantile® Framework for Mathematics measures

The Quantile® Framework for Mathematics measures mathematical achievement and concept/application solvability. Quantile measures represent a student's ability to apply mathematical skills in areas such as numbers and operations, geometry, and measurement. Because the Quantile Framework uses a common, developmental scale to measure both mathematical achievement and task difficulty, educators can use Quantile measures to differentiate mathematics instruction, monitor student development, and forecast performance on end-of-year tests. For more information, visit www.Quantiles.com.

Scale Score (9999_99992) 702 ±32

Information on Standard Error of Measurement

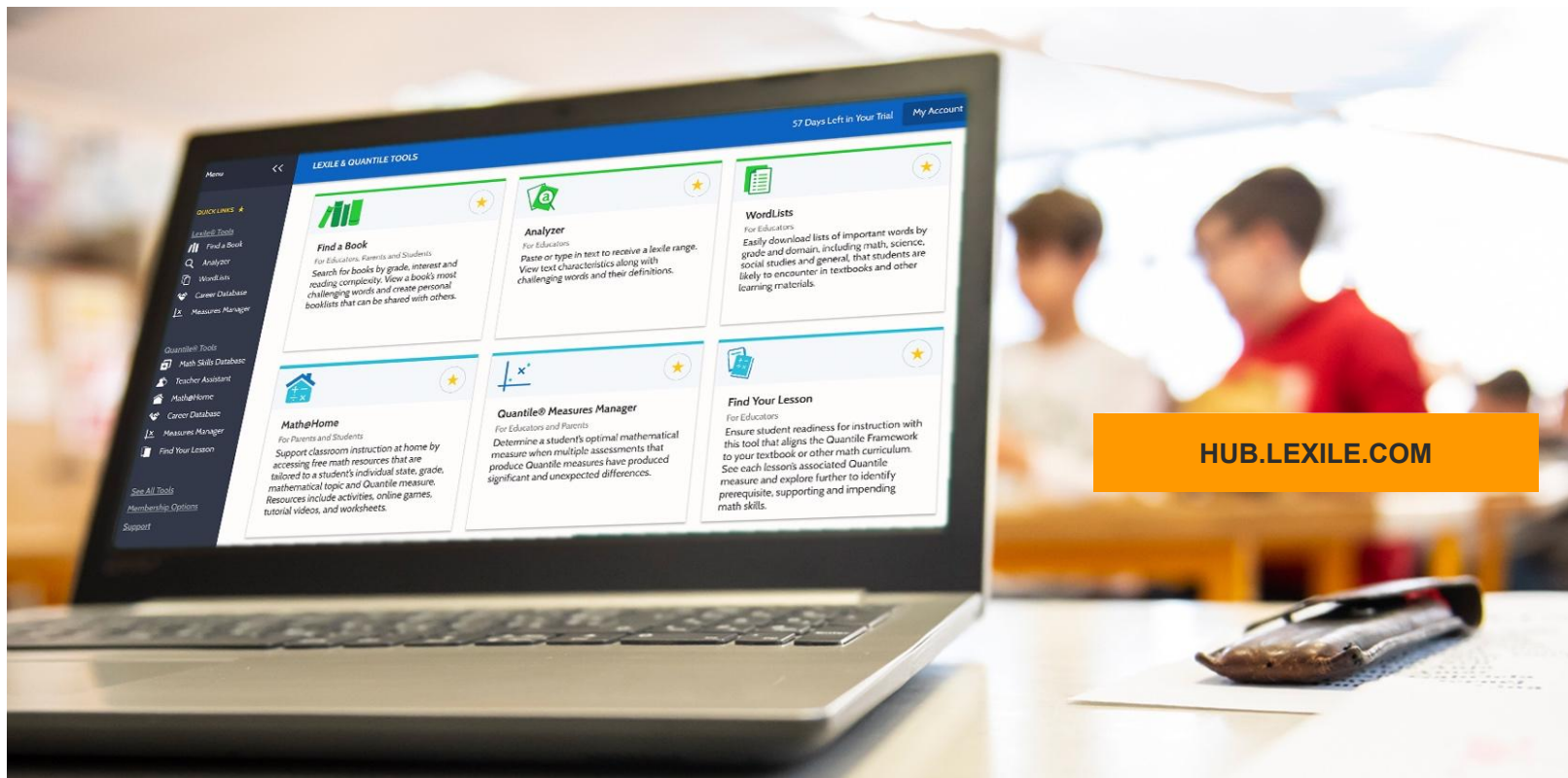
A student's score is best interpreted when recognizing that the student's knowledge and skills fall within a score range and not just a precise number. For example, 500 (+/-30) indicates a score range between 470 and 530.

**NDSA
Score
Report**

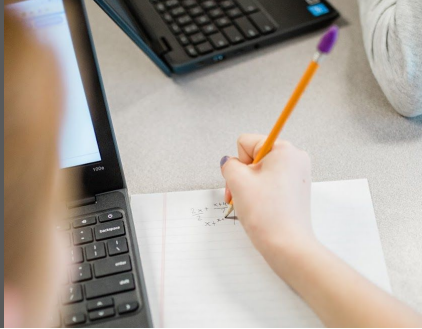
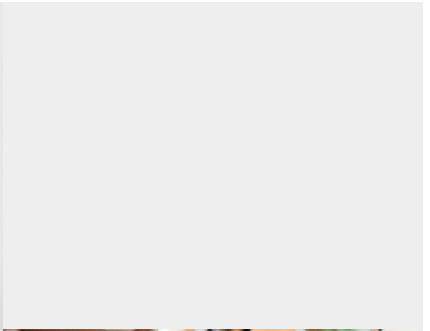
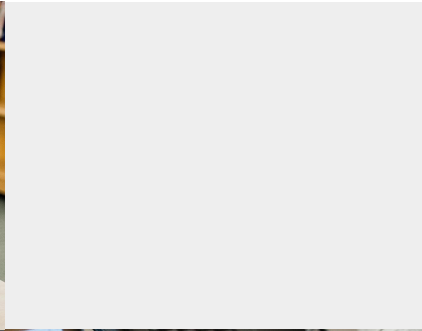
Let's Put the Measures to Use



Access the Hub



Questions



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[Lexile.Global](https://www.Lexile.Global)

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