

## Benchmark Report Overview and Data Dive

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November 4, 2019

## Outcomes of today's session

By the end of this presentation, you will be able to...

- Better understand the purpose of the MCA and what it was designed to do
- Analyze the Benchmark Reports and use them as one piece of evidence when making decisions about curriculum and instruction at your school

#### How are students tested?

## Minnesota Assessments

Standards-Based Accountability Assessments

English Language Proficiency Accountability Assessments

**MCA** 

**MTAS** 

**ACCESS for ELLs** 

Alternate
ACCESS for ELLs

## Minnesota Assessments: Aligned to Standards

This is the "series number"

Test Names 🗸	Standards	Year Adopted
Reading MCA-III and MTAS	Minnesota K–12 Academic Standards in English Language Arts	2010
Mathematics MCA-III and MTAS	Minnesota K–12 Academic Standards in Mathematics	2007
Science MCA-III and MTAS	Minnesota K–12 Academic Standards in Science	2009
ACCESS and Alternate ACCESS for ELLS	WIDA English Language Development Standards	2011

## What the MCA is designed to do

#### The MCA provides:

- > A snapshot of student achievement toward the MN academic standards at state, district, and building levels.
- Important data for teachers, schools, and districts to help guide instruction and evaluate program effectiveness.





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#### The MCA provides:

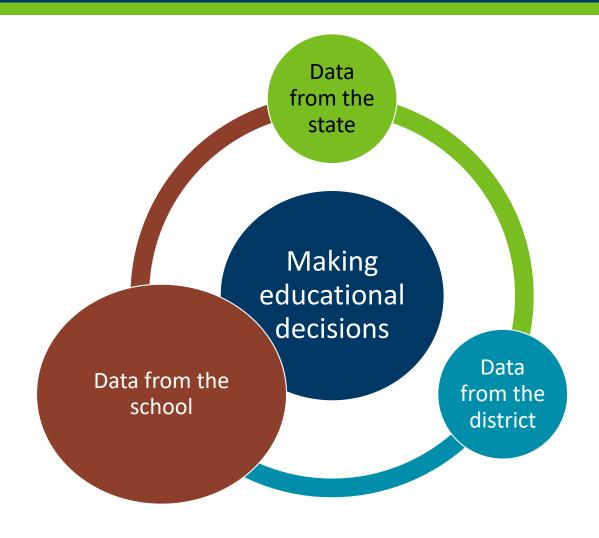
- > A snapshot of student achievement toward the standards at state, district, and building levels.
- > Important data for teachers, schools, and districts to help guide instruction and evaluate program effectiveness.
- The MCA is a "summative assessment," meaning it measures what students are expected to know and do at specific grade levels and in specific content areas.

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## A Comparison of Assessment Types

Туре	Examples & Frequency	Evidence Produced	Level of Impact	Used by
Formative	<ul><li>Daily Checks for Understanding</li><li>Weekly Quizzes</li></ul>	<ul> <li>Lesson sized learning targets</li> <li>Retained learning across lessons and achievement level</li> </ul>	Used to make immediate decisions about what students currently know, and where to go next	<ul><li>Students</li><li>Teachers in classroom</li></ul>
Interim	Midterm Exams that occur 2-3 times per year	Cumulative, longer-term learning retention	Evaluate curriculum effectiveness and used for macro-level planning	<ul><li> Groups of Teachers</li><li> School Leaders</li></ul>
Summative	<ul> <li>Unit Tests or Performance Tasks</li> <li>State Tests (MCA)</li> </ul>	Proficiency of learning compared to the Minnesota Academic Standards and Achievement Level Descriptors	Used for accountability and evaluation of curriculum in regards to the standards	<ul> <li>Groups of Teachers</li> <li>School, District Leaders</li> <li>Policy Makers</li> </ul>

#### Minnesota Assessment Data: One Component



#### Scale Score Definitions

Theta (θ)

The estimate of "ability" (performance)

Theta range for Minnesota Assessments [-3 to 3]

Scale Score (SS)

The theta/ability estimate is transformed into the scale score via transformation

MCA-III scale scores are from X01-X99 (X = grade)

**Achievement Level Descriptors (ALDs)** 

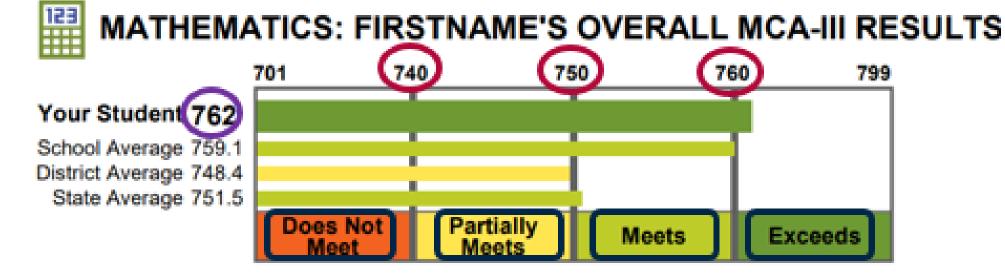
Describes the level of student achievement (Does not meet standards, Partially Meets Standards, Meets Standards, Exceeds Standards)

# Scale Scores and ALDs (Individual Student Report – ISR)

Scale Score (SS)

(theta transformed)

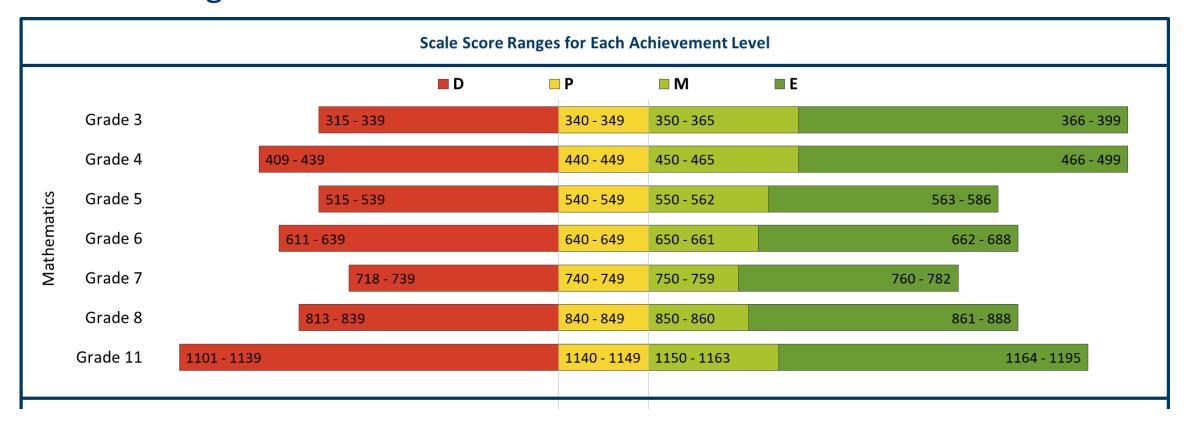
**Cut Scores (based on the ALDs)** 



**Achievement Levels** 

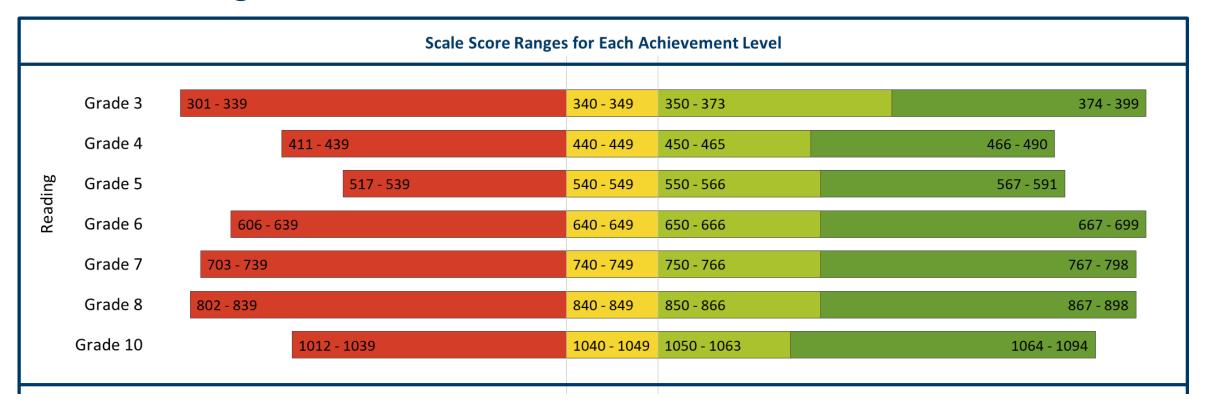
#### Scale Scores Continued

https://testing123.education.mn.gov/test/analyze/report/ > Resources >
Understanding MCA Scale Scores



#### Scale Scores Continued

# https://testing123.education.mn.gov/test/analyze/report/ > Resources > Understanding MCA Scale Scores



## Appropriate use of Scale Scores

- MCA scale scores are based on grade-level specific content
- In technical terms, this means the scores are not "vertically aligned"
- Scale scores should never be compared across the grades for a particular student, especially when determining if a student has no growth, remained the same, or improved.
- The achievement levels CAN be used to assess whether student growth across grades is demonstrated.

<u>https://testing123.education.mn.gov/test/analyze/report/</u> > Resources > Where do Scale Scores Come from?





#### MCA Test Structure

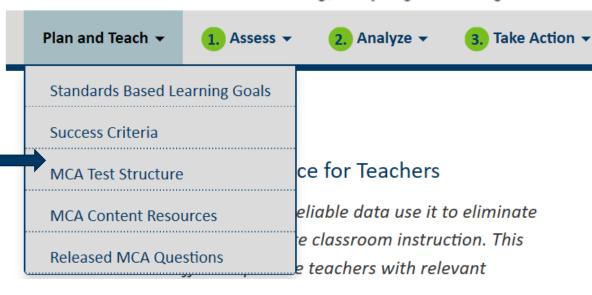
Subject and grade level specific Documents

Created from Test Specs and Test Blueprint

Glade Level Assessifient Details				
Reading	Mathematics	Science		
Grade 3	Grade 3	N/A		
Grade 4	Grade 4	N/A		
Grade 5	Grade 5	<u>Grade 5</u>		
Grade 6	Grade 6	N/A		
Grade 7	Grade 7	N/A		
Grade 8	Grade 8	Grade 8		
High School	High School	High School		



Test data in the classroom: Assessing, analyzing and taking action



https://testing123.education.mn.gov/test/plan/structure/

Grade Level Assessment Details

#### MCA Test Structure- HS Math Example

Online Adaptive MCA-III Grade 11 Minimum and Maximum Item Counts by Standard

Strand	Range of Items	Standard	Number of	Range of Items
	per Strand		Benchmarks per	per Standard
			Standard	
		9.2.1	9	4-6
2 – Algebra	21-24	9.2.2	6	5-10
		9.2.3	7	3-6
		9.2.4	8	3-7
3 – Geometry & Measurement	13-15	9.3.1	5	3-4
	-	9.3.2	5	0-2
	-	9.3.3	8	3-7
	-	9.3.4	7	4-6
		9.4.1	4	3-5
4 – Data Analysis & Probability	8-13	9.4.2	3	1-2
		9.4.3	9	4-7

- Information is from test specs
- Useful for planning Scope & Sequence, Pacing Calendars, curriculum alignment, etc.
- Caution: This is only one resource, it is not a curriculum.

https://testing123.education.mn.gov/test/plan/structure/

## 1. Overall School/District Performance

 Number of all students tested with valid and reportable scores

 Percent of students at each achievement level

 Percent proficient is total "Meets" and "Exceeds"



SCHOOL BENCHMARK PERFORMANCE REPORT

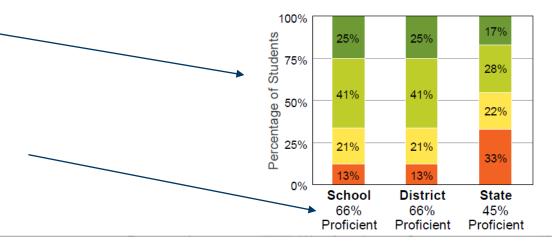
SPRING 2019 GRADE 11 MATHEMATICS MCA-III

New report design for 2019! View the <u>Mathematics Benchmark Report "How To" Quick Guide</u> for information about how you can use this report. (PearsonAccess Next > Reporting Resources > Additional Reporting Resources)

#### **GRADE 11 MATHEMATICS PERFORMANCE**

Number of grade 11 students in Mathematics with valid scores for your school: 261

The graph shows the percentage of students in each achievement level for your school, district, and the state for the grade 11 Mathematics MCA-III. The percent proficient under each bar in the graph is the percentage of students in the "Meets" and "Exceeds" achievement levels.



Exceeds (1164 and above)

Meets (1150-1163)

Partially Meets (1140-1149)

Does Not Meet (1139 and below)

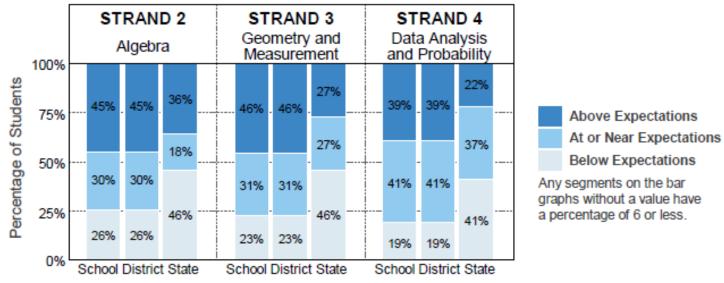
Any segments on the bar graphs without a value have a percentage of 6 or less.

## 2. School/District Performance

#### GRADE 11 MATHEMATICS PERFORMANCE BY STRAND

For the grade 11 Mathematics MCA-III, the content area strand results are categorized as: Below Expectations, At or Near Expectations, or Above Expectations. Expectation is defined as the school performance on each strand compared to the "Meets" achievement level.

The graphs below show the percentage of students in each performance level for each strand calculated by aggregating the individual student strand performance levels at your school, at your district, and at the state level.



 Expectation is defined as performance on each strand/substrand compared to "Meets" level cut score

## 3. Benchmark Performance Symbols

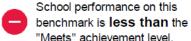
# Performance Symbols are determined by calculating:

average student
 performance on test
 questions aligned to
 each benchmark

#### **Compared to:**

the "Meets"

 achievement level
 cut score expected
 performance





School performance on this benchmark is **similar to** the "Meets" achievement level.



School performance on this benchmark is **greater than** the "Meets" achievement level.

less than 20 student

★ responses on a
benchmark

#### STRAND 1: THE NATURE OF SCIENCE AND ENGINEERING

#### SUBSTRAND 9.1.1: THE PRACTICE OF SCIENCE

Compared to "Meets" Achievement Level	Benchma	ark	
Standard 9.1.1.1	criteria, le Benchmar	Understand that science is a way of knowing about the natural world and is characterized by empirical criteria, logical argument and skeptical review.  Benchmarks 9.1.1.1.1 and 9.1.1.1.2 were not assessed on this year's test.  Benchmark 9.1.1.1.4 is not assessed on the MCA-III.	
*	9.1.1.1.3	Explain how the traditions and norms of science define the bounds of professional scientific practice and reveal instances of scientific error or misconduct. For example: The use of peer review, publications and presentations.	
<b>©</b>	9.1.1.1.5	Identify sources of bias and explain how bias might influence the direction of research and the interpretation of data. For example: How funding of research can influence questions studied, procedures used, analysis of data, and communication of results.	
<b>~</b>	9.1.1.1.6	Describe how changes in scientific knowledge generally occur in incremental steps that include and build on earlier knowledge.	
*	9.1.1.1.7	Explain how scientific and technological innovation –as well as new evidence– can challenge portions of, or entire accepted theories and models including, but not limited to: cell theory, atomic theory, theory of evolution, plate tectonic theory, germ theory of disease, and the big bang theory.	

Read slides 35-42 for more detail about the performance symbol calculation method

## Caveats to keep in mind

The performance symbols only compare to the Meets cut score, not a *partial* or exceeds cut score like the scale scores calculated at the student level.

The calculation for the overall performance (calculate individual student scores first and then aggregate to the organization level) and benchmark (only calculated at the organization level) are different, so benchmark performance indicators and overall achievement levels are not directly comparable.



School performance on this benchmark is less than the "Meets" achievement level.



School performance on this benchmark is Similar to the "Meets" achievement level.



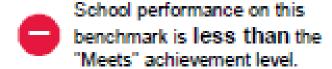
School performance on this benchmark is greater than the "Meets" achievement level.

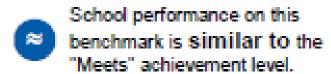
## Cautions with interpretation

 Benchmark performance indicators and symbols do not correspond to overall achievement or performance levels because they are calculated differently.

Does Not Meet	Partially Meets	Meets	Exceeds
the Standards	the Standards	the Standards	the Standards
Students at this level succeed at few of the most fundamental skills for the Minnesota K-12 Academic Standards.	Students at this level partially meet the subject's skills for the Minnesota K-12 Academic Standards.	Students at this level meet the subject's skills for the Minnesota K-12 Academic Standards.	Students at this level exceed the subject's skills for the Minnesota K-12 Academic Standards.

The color/shape of each marker does not reflect benchmark difficulty.

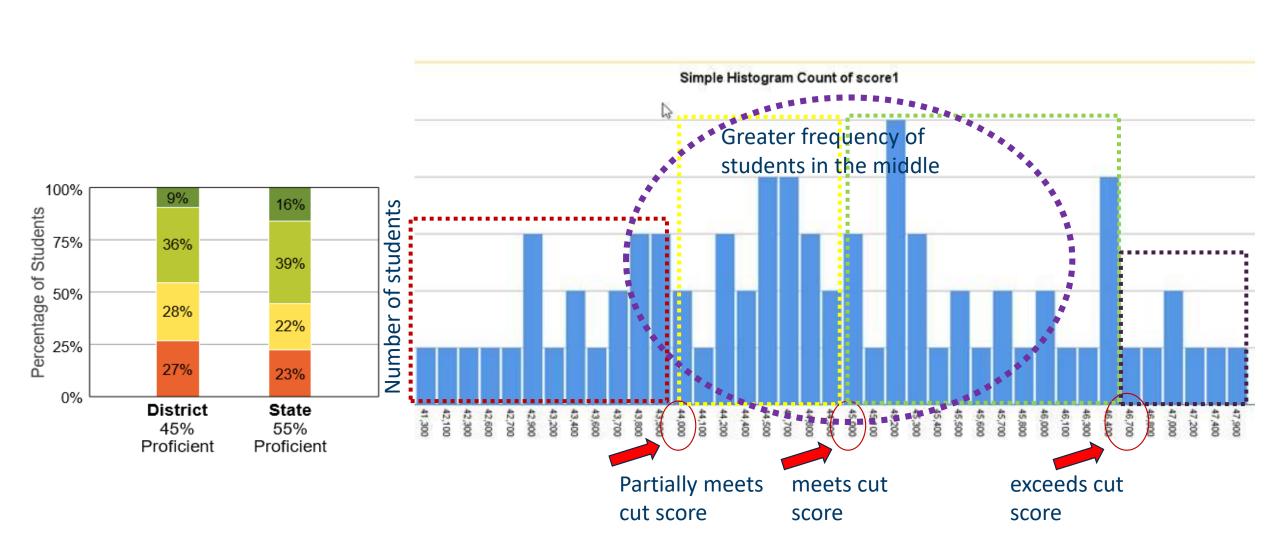






School performance on this benchmark is greater than the "Meets" achievement level.

# Reading Score Distribution Example – "Why do I have all blue symbols?"



#### Resources to use with Reports

#### Keep these resources open on your computer:

- Achievement Level Descriptor Maps (testing123.education.mn.gov > Plan and Teach > Success Criteria)
- 2. <u>DOK</u>
- MCA test specifications (MDE website > Districts, Schools and Educators > Teaching and Learning > Statewide Testing > Test Specifications)
- Released Items and Passage Sets for Reading and Mathematics only (MDE website > Districts, Schools and Educators > Teaching and Learning > Statewide Testing > Released items and Passage Sets)

## Achievement Level Descriptors (ALDs)

 ALDs outline the appropriate achievement expectations for each content strand from the Minnesota Academic Standards for every subject and grade level.

Does Not Meet	Partially Meets	Meets	Exceeds
the Standards	the Standards	the Standards	the Standards
Students at this level succeed at few of the most fundamental skills for the Minnesota K-12 Academic Standards.	Students at this level partially meet the subject's skills for the Minnesota K-12 Academic Standards.	Students at this level meet the subject's skills for the Minnesota K-12 Academic Standards.	Students at this level exceed the subject's skills for the Minnesota K-12 Academic Standards.

https://testing123.education.mn.gov/test/plan/success/ > ALDs

#### **DOK Resources**

#### Webb's Depth of Knowledge is only one method for understanding but the one used for the MCA-III.

Level 1	Level 2	Level 3	Level 4
Recall	Skill/Concept	Strategic Thinking	Extended Thinking
A Level 1 item specifies the operation or method of solution and the student is required to carry it out. A well-defined and straight algorithmic procedure is considered to be at this level.	A Level 2 item requires students to choose the operation or method of solution and then solve the problem. These questions are commonly found in textbooks.	A Level 3 item may be solved using routine skills but the student is not cued or prompted as to which skills to use.	Level 4 items are best assessed in the classroom, where the constraints of standardized testing are not a factor.
Items may require a student to:  recall of information, such as a fact, definition, term or simple procedure  perform a simple algorithm or applying a formula	Item may require a student to:  engage in some mental processing beyond a habitual response  make some decisions as to how to approach a problem or activity  read or interpret information from a graph	Items may require a student to:   • reason, plan or use evidence   to solve the problem   • explain their thinking	Items may require a student to:      engage in complex     reasoning, planning,     developing and thinking      have an extended period of     time to answer the item

Contombor 201

#### How to Use Report with ALDs

#### Example Benchmark:



9.2.4.8

Assess the reasonableness of a solution in its given context and compare the solution to appropriate graphical or numerical estimates; interpret a solution in the original context.

#### Test ALD Map:

now to interpret them are on the Mior website at Mior / Districts, Schools and Educators / Statewide resting / Achievement Level Descriptors.

		- 1		
Strand	Does Not Meet  A student at this level of mathematics succeeds at few of the most fundamental mathematics skills of the Minnesota Academic Standards. Some of the skills demonstrated may include:	Partially Meets  A student at this level of mathematics partially meets the mathematics skills of the Minnesota Academic Standards. Some of the skills demonstrated may include:	Meets A student at this level of mathematics meets the mathematics skills of the Minnesota Academic Standards. Some of the skills demonstrated may include:	Exceeds  A student at this level of mathematics exceeds the mathematics skills of the Minnesota Academic Standards. Some of the skills demonstrated very consistently may include:
Algebra	Uses the vertical line test to identify a function     Recognizes linear and exponential functions using tables, symbols and graphs     Factors common monomial factors from polynomials     Factors quadratic expressions with leading coefficient of 1	Identifies key features (e.g., intercepts, slopes) of linear functions using symbolic and graphical methods  Evaluates polynomial and rational expressions  Adds, subtracts, and multiplies polynomials  Uses factoring to solve quadratic equations with leading coefficient of 1  Recognizes, represents and solves problems involving linear and exponential functions using tables, verbal descriptions, symbols and graphs  Solves systems of linear inequalities when represented graphically	Identifies key features (e.g., intercepts, translations) of functions and other relations using symbolic and graphical methods     Generates equivalent algebraic expressions involving polynomials and radicals     Uses algebraic properties to evaluate expressions     Represents and solves real-world and mathematical situations involving linear, quadratic, exponential and nth root functions using equations, inequalities, tables or graphs	Identifies key features of rational functions and other relations using symbolic and graphical methods     Represents and solves non-routine problems in real-world and mathematical situations using equations, inequalities, tables, or graphs

## How to Use Report with Released Math and Reading Items

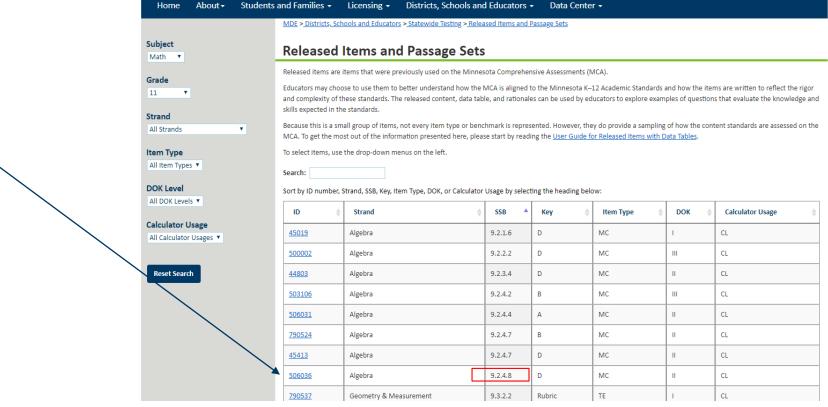
#### Example Benchmark:



9.2.4.8

Assess the reasonableness of a solution in its given context and compare the solution to appropriate graphical or numerical estimates; interpret a solution in the original context.

Search for benchmark in Released Items:



## How to Use Report with Released Math and Reading Items

#### Example Benchmark:



9.2.4.8

Assess the reasonableness of a solution in its given context and compare the solution to appropriate graphical or numerical estimates; interpret a solution in the original context.

# Download Item:

A rectangle is 5 feet longer than it is wide. The area of the rectangle must be less than or equal to 806 square feet. Sally determines that a possible length is 48 feet. Which statement is true about her solution?

- A. It is reasonable because 48 is less than 806.
- B. It is reasonable because 48 times 5 is less than 806.
- C. It is not reasonable because 48 does not divide evenly into 806.
- D. It is not reasonable because 48 times 43 is greater than 806.

## How to Use Report with Released Math and Reading Items

#### Example Benchmark:



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- C. It is not reasonable because 48 does not divide evenly into 806.
- D. It is not reasonable because 48 times 43 is greater than 806.

## Rationale and Response Data

RATIONALE A	Did not address the area limitations in the context.
RATIONALE B	Incorrectly used the numbers in the item.
RATIONALE C	Incorrectly addressed the area limitations in the context.
RATIONALE D	Correct.

Answer Selected	Percent of Students Who Selected It
Α	7%
В	22%
С	20%
D	50%

#### How to Use Report with ALDs

#### Example Science Benchmark:

**Standard 9.1.2.2** 

Understand that engineering design is an analytical and creative process of devising a solution to meet a need or solve a specific problem.



9.1.2.2.1

Identify a problem and the associated constraints on possible design solutions. For example: Constraints can include time, money, scientific knowledge and available technology.

#### **ALD Maps:**

Strand	Does Not Meet Students at this level of science succeed at few of the most fundamental science skills of the Minnesota Academic Standards. Some of the skills demonstrated may include:	Partially Meets Students at this level of science partially meet the science skills of the Minnesota Academic Standards. Some of the skills demonstrated may include:	Meets Students at this level of science meet the science skills of the Minnesota Academic Standards. Some of the skills demonstrated may include:	Exceeds Students at this level of science exceed the science skills of the Minnesota Academic Standards. Some of the skills demonstrated very consistently may include:
Nature of Science and Engineering	Determines the appropriate safety procedures for a scientific investigation     Understands what a hypothesis is     Identifies the benefits of using scientific models	Identifies sources of error in an investigation     Understands that engineering designs are continually checked so that they can be improved     Recognizes that scientific knowledge occurs in steps that build on prior knowledge     Selects appropriate graphical representations to communicate results     Identifies a scientific hypothesis	Describes how changes in scientific knowledge usually builds on earlier knowledge  Explains how bias might influence how research is done and the interpretation of data  Recognizes that risk analysis is used to evaluate consequences of an engineered solution  Evaluates possible solutions to an engineering problem at a local and regional level  Uses appropriate numeric, or graphical representations to communicate a scientific idea  Suggests ways to improve data collection  Designs and conducts an experiment to test a hypothesis	<ul> <li>Formulates a hypothesis and conducts an experiment to test this hypothesis</li> <li>Supports a conclusion with evidence from the investigation</li> <li>Develops possible solutions to an engineering problem in a global context</li> </ul>

## Model How to Use Report with Test Specs

Standard 9.4.1.1	Understand that organisms use the interaction of cellular processes as well as tissues and organ systems to maintain homeostasis.	
~	9.4.1.1.1	Explain how cell processes are influenced by internal and external factors, such as pH and temperature, and how cells and organisms respond to changes in their environment to maintain homeostasis.
+	9.4.1.1.2	Describe how the functions of individual organ systems are integrated to maintain homeostasis in an organism.

#### Test Specs: (9–11 points)

**Substrand**: Structure and Function in Living Systems

Standard: Organisms use the interaction of cellular processes as well as tissues and organ systems to maintain homeostasis. (9.4.1.1) (2-4 points)

#### **Benchmarks**

9.4.1.1.1

Explain how cell processes are influenced by internal and external factors. such as pH and temperature, and how cells and organisms respond to changes in their environment to maintain homeostasis.

#### Item Specifications

- Internal and external factors or stimuli include pH, temperature, light, gravity and concentration
- A cell's response to maintain homeostasis may include single-celled organisms or individual cells of organisms
- An organism's response to maintain homeostasis may include responses such as gravitropism and phototropism in plants and shivering or sweating in animals
- Items may address both voluntary and involuntary responses.
- Items will NOT address the mechanisms of specific organ systems
- Items will NOT require students to distinguish between innate and learned behaviors

#### 9.4.1.1.2

Describe how the functions of individual organ systems are integrated to maintain homeostasis in an organism.

#### Item Specifications

- Items may be placed in contexts referring to body temperature, breathing and pulse rate as homeostatic disruptions of the human body or any context that addresses symptoms or disruptions of homeostasis
- Organ systems in animals are limited to digestive, respiratory, circulatory and nervous systems
- Organ systems in plants may include the function of vascular tissue and leaves
- The functions of individual organ systems in plants include nutrient uptake, gas exchange and material transport
- Items will NOT require students to identify specific plant structures, such as xylem or stoma, but may require students to understand their function
- Items will NOT address positive feedback in homeostasis

## Dig into Benchmark Data

Materials You Need: Benchmark report, Benchmark Analysis Handout, <u>Achievement Level Descriptor Maps</u>, <u>MCA test specifications</u>, <u>Released Items and Passage Sets</u>

**Directions**: (20 minutes)

- 1. Preview the questions on your handout
- 2. Individually reflect on questions with your benchmark report
- 3. In pairs or with table group, discuss your responses to the questions
- 4. Prepare to share out 1-2 takeaways from your reflections with the whole group

Then: If you finish early, take a look at more benchmarks that you would like to dig deeper on. Compare them to the Achievement Level Descriptors for that benchmark

#### Closing

Share with whole group:

After discussing with your planning group, what are some ways you plan on using this data? What are your next steps?



# Performance Symbol Calculations Explained

## Benchmark Report Calculations: 3 Steps

Benchmark performance indicators for a school (or district) report are determined by the following:

- 1. The average performance for students within the school (or district) on test questions aligned to each benchmark is calculated
- 2. A "Meets Range" is calculated based on the performance *expected* of students on each benchmark. This is based on students who perform at the "Meets" achievement level cut score.
- 3. The value from step 1 is compared to the "Meets Range" values to determine if student performance at the school is less than, similar to, or greater than the "Meets" achievement level expectation.

# 1. Student performance calculation

School or district benchmark performance is measured by finding the observed average probability correct (p value) for all students in organization across all items measuring a particular benchmark.

https://education.mn.gov/mdeprod/idcplg?IdcService=GET\_FILE&dDocName=MDE087482&Revision SelectionMethod=latestReleased&Rendition=primary

### 1. Student Performance Calculation

The calculation uses the same psychometric process as calculating student scores.

• The "observed" performance is how the students did on the actual test questions that were administered for a particular benchmark.

Example: 4 students in School A each answered 2 questions aligned to the same benchmark. A total of 8 attempts. Six of the attempts were correct. **Observed p-value = 6/8 = 0.75** 

	· · · · · · · · · · · · · · · · · · ·		
School A	Item 1	Item 2	Item 3
	Score	Score	Score
Student 1	1		1
Student 2	0	1	
Student 3		1	1
Student 4		1	0

# How are the performance symbols calculated?

- The actual test questions administered to students may be limited in terms of the number of questions assessed at the benchmark level.
- Therefore, the actual student performance at a school or district level needs to be compared to an "expected" performance level
- The "expected" performance is based on the actual test questions that were administered for a particular benchmark.
- A range, called the expected "Meets" range, is calculated based on how students
  performing at the "Meets" achievement level would be expected to perform on the same
  questions that were administered to the school or district.

The Benchmark Report Calculations Resource has further details on the calculation.

# 2. Meets Range Calculation

- In these reports, "proficient" means at the "meets standards" or "exceeds standards" achievement level.
- The theta cut score at the "Meets" achievement level is therefore used to calculated the expected performance ranges.
- The "meets range" used to compare to the observed performance of a school is calculated by the following:
- The theta cut score at the "meets" level is transformed to the scale score
  - (e.g. the theta score cut at the "Meets" achievement level for MCA Math G3 is -0.52 and the scale cut score at the "Meets" achievement level for MCA Math G3 is 350).

# 2. Meets Range Calculation

- The expected "Meets" range, is based on how students performing at the "Meets" cut score would be expected to perform on the same questions that were administered to the students at the particular school/district
- The range has an upper and lower expected based on the questions the students were administered within that benchmark
- Example: Observed 6/8= 0.75 lower 0.471 upper 0.596

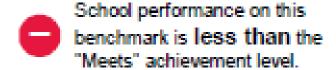
If Observed p-value < lower expected < upper expected, then Less than the "Meets" achievement level

If lower expected <= Observed p-value <= upper expected, then Similar to the "Meets" achievement level

If lower expected < upper expected < Observed p-value, then Greater than the "Meets" achievement level

# Calculation interpretation examples

- The performance symbols are determined by calculating the average student
  performance on each benchmark at your school, and then comparing it to
  the performance expected of students who score at the "Meets"
  School performance on this
  achievement level.
- A blue "similar to meets" symbol indicates the average student performance at your school on this benchmark is within the range of where a student testing at the "meets" level is expected to perform.
- A red "below meets" symbol indicates that average student performance on this benchmark at your school is *less than* the expected range for a student who scores at the "meets" level.



"Meets" achievement level.

# Calculation difference from old reports

In other words, the "meets" level is the baseline used to compare student performance and determine these symbols, *not* the school's unique expected performance.

The "meets" level performance expectation is therefore the *same* for every school and district across the state, it does not change based on the school or district's average student performance.



# Additional Resources

### **Teacher Newsletter**

If you would like to receive updates about information relevant to teachers, please use the following QR code to enter your information.

You can also send an email request to kendra.olsen@state.mn.us



# Want to help write questions for the MCA?

This summer there were advisory panels of teachers who reviewed and approved all of the new items for the MCA at all grades.

#### Benefits:

- 1.YOU will see items on the upcoming MCA.
- 2.MN students benefit from having your expertise shape the MCA.
- 3.It's in the summer so no sub plans needed!
- 4.It is paid (if you don't have a sub).

http://www.education.state.mn.us/MDE/EdExc/Testing/RegAdvPanel/index.html (or scan the QR code)

(Google: MDE Advisory Panels – it's near the top of the list) --When you open the website go to the bottom of the page and click on "Submit your name to the Advisory Panel Register."

# Testing 1, 2, 3



- Promote Assessment and Data Literacy in the classroom
- 2. Resources for interpreting state test data
- 3. Teacher involvement opportunities

Testing123.education.mn.gov

#### Additional Resources

#### Have these resources open as we look at Benchmark data:

View the benchmarks in the <u>MCA test specifications</u> (MDE website > Districts, Schools and Educators > Teaching and Learning > Statewide Testing > Test Specifications)

View the Using Data in the Classroom: <u>MDE Testing 1,2,3</u> (https://testing123.education.mn.gov)

View the Frameworks for the Minnesota Science & Math Standards (http://scimathmn.org/stemtc/)

View <u>Released Items and Passage Sets</u> for Reading and Mathematics (MDE website > Districts, Schools and Educators > Teaching and Learning > Statewide Testing > Released items and Passage Sets)

View the Minnesota Academic Standards (MDE website > Districts, Schools and Educators > Teaching and Learning > Academic Standards (K-12))

# We would like to hear your feedback

Please use the link below to complete a feedback form for today's session. This helps us plan for future presentations. Thank you!

Feedback form

https://forms.gle/i3atve2YsAXnzZ7N7



# Thank you!

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