

# Elementary grade 3-5 Minnesota Comprehensive Assessments (MCA's)

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**Scott Schmaltz – 3<sup>rd</sup> grade teacher**

**Dave Riebel – Elementary Principal**



# MCA's at the Elementary

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All grade 3 – 5 students take an online assessment of reading and mathematics knowledge and skills. Grade 5 students also take an online assessment of



# Overview

Topic one –  
Results over time

Topic two -  
N,S,E,W  
comparison

Topic three – Year  
long efforts

Topic four –

Specific test prep

# MCA results over time North-south-east-west comparison

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Dave Riebel – Elementary Principal

# Lewiston-Altura results over time

## Minnesota Comprehensive Assessments

All results are "Percent Proficient", which is the percent of students who earn Meets or Exceeds Standards ranking.

		2013 LA	2013 State	2014 LA	2014 State	2015 LA	2015 State	2016 LA	2016 State		2017 LA	2017 State		2018 LA	2018 State		2019 LA	2019 State		2020 NO MCA	2021 LA	2021 State		2022 LA Final	2022 State		2023 LA Final	2023 State	
3rd	Reading	52%	57%	80%	58%	65%	59%	68%	57%	+11	58%	56%	+2	65%	56%	+9	70%	55%	+15		67%	48%	+19	69%	49%	+20	62%	48%	+14
	Math	79%	72%	86%	72%	90%	71%	73%	69%	+4	78%	68%	+10	80%	67%	+13	85%	66%	+19		77%	57%	+20	77%	60%	+17	76%	60%	+16
4th	Reading	79%	54%	53%	55%	67%	58%	67%	58%	+9	59%	57	+2	49%	56%	-7	57%	56%	+1		33%	49%	-16	63%	50%	+13	58%	49%	+11
	Math	91%	71%	76%	70%	82%	70%	75%	69%	+6	64%	67%	-3	67%	65%	+2	75%	64%	+11		60%	54%	+6	77%	57%	+20	79%	58%	+21
5th	Reading	69%	63%	80%	67%	55%	67%	81%	68%	+13	66%	67	-1	76%	67%	+9	67%	66%	+1		70%	59%	+11	68%	60%	+8	62%	59%	+3
	Math	65%	59%	75%	61%	41%	60%	58%	59%	-1	52%	58	-6	33%	55%	-22	40%	52%	-12		35%	41%	-6	38%	44%	-6	46%	45%	+1
	Science	62%	60%	80%	61%	56%	59%	72%	62%	+10	81%	60%	+21	53%	58%	-5	70%	55%	+15		67%	48%	+19	65%	50%	+15	62%	48%	+14
6th	Reading	67%	59%	67%	60%	76%	64%	60%	60%	0	73%	64%	+9	66%	64%	+2	65%	63%	+2		64%	55%	+9	77%	54%	+23	51%	53%	-2
	Math	64%	56%	72%	56%	85%	58%	38%	56%	-18	54%	56%	-2	55%	54%	+1	35%	50%	-15		28%	37%	-9	49%	40%	+9	26%	39%	-13

# Comparison to the Districts to our North, South, East and west

2022

State Categories = Exceeds, Meets, Partially Meets, Does Not Meet

The scores in the chart signify the **percent proficient**.

Percent Proficient = Exceeds + Meets

4H Ribbons	
1st	Purple
2nd	Pink
3rd	Blue
4th	Red
5th	White

## Reading

	RP	SC	PEM	Win	LA	State
3	56%	43%	63%	45%	69%	49%
4	30%	45%	49%	42%	63%	50%
5	62%	61%	70%	43%	68%	60%
6	48%	66%	59%	40%	77%	54%
3-6	49%	54%	60%	43%	69%	53%

## Math

	RP	SC	PEM	Win	LA	State
3	75%	79%	83%	57%	77%	60%
4	57%	59%	71%	51%	77%	57%
5	51%	50%	57%	32%	38%	44%
6	31%	43%	50%	26%	49%	39%
3-6	54%	58%	65%	42%	60%	50%

## Science

	RP	SC	PEM	Win	LA	State
5	56%	63%	60%	40%	65%	50%

# Comparison to the Districts to our North, South, East and west

2023

State Categories = Exceeds, Meets, Partially Meets, Does Not Meet

The scores in the chart signify the **percent proficient**.

Percent Proficient = Exceeds + Meets

4H Ribbons	
1st	Purple
2nd	Pink
3rd	Blue
4th	Red
5th	White

## Reading

Grade	RP	SC	PEM	Win	LA	State
3	59%	43%	52%	53%	62%	48%
4	47%	51%	51%	48%	58%	49%
5	54%	54%	76%	55%	62%	59%
6	63%	69%	61%	34%	51%	53%
3-6	56%	54%	60%	48%	58%	52%

## Math

Grade	RP	SC	PEM	Win	LA	State
3	67%	68%	75%	66%	76%	60%
4	73%	81%	81%	56%	79%	58%
5	33%	40%	57%	42%	46%	45%
6	49%	47%	48%	19%	26%	39%
3-6	55%	59%	65%	46%	57%	51%

## Science

Grade	RP	SC	PEM	Win	LA	State
5	53%	53%	69%	40%	62%	48%

# N=

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- 2023 3<sup>rd</sup> grade example N = 38 students 1 student = .026 or 3%
- Official terminology is Tier 1, Tier 2 instruction and assessment
- Tier 1 = Classroom instruction for all
- Tier 2 = Intervention based on assessment data/information
  - Supplemental reading and math instruction and progress monitoring with Title and ADSIS



# Yearlong instruction and assessment

## Specific Mca preparations

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Scott Schmaltz – 3<sup>rd</sup> Grade

# Yearlong instruction and assessment

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When do we begin to plant the seed for success on MCA's?

- NWEA's are a great time to evaluate
- October: The letters "MCA" are beginning to be used during instruction
- Curriculum is identified throughout the year as an "MCA" question
- Begin to engrain that we are going to beat the MCA's- GAME TIME
- Old man MCA won't trick us
- Get students to understand their potentials for SUCCESS

# The Timeline for the Year

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- October: NWEA results identify student areas of strength and need
- November and December: We become learners, improve belief, work hard
- January: NWEA- Midyear progress monitor. How have we grown. We begin the push toward MCA in April
- January: Study Island is implemented and scheduled to assure success
- February: Continue to focus on Study Island and Introduce PALS (math)
- March: Finish Study Island and Introduce MCA specific materials (samplers)
- April: We get JACKED UP FOR SUCCESS!!!
- April 15th-Reading Week, April 22nd Math Week- Students are confident and ready to Rock

# Math

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- The curriculum is very strong with correlation to the MCA's
- Identify questions that are strong possibilities to be used
- Take time to talk with students about how they will find the correct answer
- Create independence in solving math problems
- Show work all the time: Students need to prove answers

# Daily spiral review

Name \_\_\_\_\_

Daily Review

14-1

1. Which time is different from the others?

(A) quarter to 4

(B)



(C)  3:45

(D) three fifteen

2. A building is 872 feet tall. Mr. Hernandez rounded the number to the nearest hundred. What number did Mr. Hernandez use?

(A) 900

(B) 880

(C) 870

(D) 800

3. Which is the missing number in the pattern below?

63, 56, 49, \_\_\_\_\_

(A) 35

(B) 40

(C) 42

(D) 45

4. A pumpkin pie is divided into 8 equal parts. What unit fraction represents each part?

\_\_\_\_\_

5. A shirt's original price is \$40. The price drops \$3 each day for 7 days. What is the cost of the shirt on the last day?

\_\_\_\_\_

6. Compare the fractions. Write  $>$ ,  $<$ , or  $=$ .

$\frac{1}{10}$    $\frac{1}{100}$   
 $\frac{1}{10}$    $\frac{1}{1000}$   
 $\frac{1}{10}$    $\frac{1}{10000}$

7. Aria made 48 hair clips for 6 of her friends. Each friend will receive the same number of hair clips. How many hair clips will each friend get?

\_\_\_\_\_

8. Debra is painting a mural that is 8 feet long and 3 feet wide. What is the area of the mural Debra is painting?

\_\_\_\_\_

# The daily lesson

In 1-12, circle the better estimate for each if full.

1.



$\frac{1}{4}$  L or 35 L

2.



$\frac{1}{4}$  L or 10 L

3.



$\frac{1}{10}$  L or 1 L

4.



2 L or 20 L

5. Wading pool

1 L or 85 L

6. Fish bowl

$\frac{1}{4}$  L or 6 L

7. Small water bottle

$\frac{1}{2}$  L or 5 L

8. Soup ladle

$\frac{1}{4}$  L or 7 L

9. Small milk carton

$\frac{1}{4}$  L or 25 L

10. Soup can

$\frac{1}{2}$  L or 5 L

11. Sports cooler

2 L or 20 L

12. Salt shaker

$\frac{1}{4}$  L or 1 L

13. Write an estimate for the capacity of a glass of juice. \_\_\_\_\_

14. Write an estimate for the capacity of a pitcher of water. \_\_\_\_\_

# Language arts

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- Focus on the curriculum
- Power Goals with IRLA: Increase Vocabulary knowledge
- Develop independent readers
- Encourage all students that they are great readers

# Study island and pals – the tools to success

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- Implement Study Island assignments- Directly correlated to the MCA's
- Assignments are planned for the next 2 months. 70% accuracy (MCA)
- Students will complete 17 Language Arts and 19 Math assignments
- Students will move into NWEA math via SI challenges them at their level and differentiates learning where needed
- Implement PALS 4 weeks prior to Math MCA Assessment



# Study island

## Math

Addition and Subtraction	★
Real World Problems	★
Reading and Writing Numbers	★
Compare and Order Numbers	★
Measuring Length and Perimeter	★
Counting Money	★
Time	★
Number Sentences	★
Number Patterns	★
Fractional Parts of Objects	★
Graphs	★
Model Multiplication and Division	★
Number Properties	★
Compare and Order Fractions	★
2D objects	★
Symbolize Problem Situations	★
Temperature	★
Rounding and Estimating	★
Multiplication and Division	★

## Reading/ELA

Asking and Answering Questions	★
Recounting Stories	★
Lessons and Morals	★
Characters	★
Employing Dialogue	★
Sequence of Events	★
Setting	★
Distinguishing Figurative Language	★
Structures of Text	★
Point of View	★
Illustrations	★
Compare/Contrast	★
Main Idea	★
Events, Ideas, and Procedures	★
Academic Language	★
Text Features	★
Author's Point of View	★
Maps, Charts, and Photographs	★
Logical Connections	★

## Math (2007 Standards)

[View Subject Summary](#)

Session Type	Session Details			Cumulative Scoring	
	Sessions	Time Spent	Best Session	Correct / Total	% Correct
Practice Mode	17	1:26:26	100%	150 / 170	88.2%
Game Mode	1	11:16	90%	9 / 10	90%
Group Session Mode	0	00:00	-	0 / 0	0%
<b>Total</b>	<b>18</b>	<b>1:37:42</b>		<b>159 / 180</b>	<b>88.3%</b>

## ELA (2010 Standards)

[View Subject Summary](#)

Session Type	Session Details			Cumulative Scoring	
	Sessions	Time Spent	Best Session	Correct / Total	% Correct
Practice Mode	23	4:26:57	100%	179 / 230	77.8%
Game Mode	5	1:14:50	100%	41 / 50	82%
Group Session Mode	0	00:00	-	0 / 0	0%
<b>Total</b>	<b>28</b>	<b>5:41:47</b>		<b>220 / 280</b>	<b>78.5%</b>

Our  
benchmark  
assessments  
beyond  
the Mca

Reading fluency -  
FastBridge

Math computation  
fluency-Aimsweb

Reading  
comprehension -  
NWEA

Math comprehension -

NWEA

# Assessment weeks

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- Each grade level scripts the times for the assessments following the state guidelines.
- We need to monitor absences to make up assessments as soon as we can.
- We prioritize the MCA assessments as the first assessments. FastBridge and NWEA are 2<sup>nd</sup> and 3<sup>rd</sup>. Test fatigue is an issue for some students.

**The mca  
assessments  
remain  
important as a  
comparison to  
state and other  
districts.**

**The benchmark  
assessments are  
of greater use for  
formative  
assessment  
information.**

Questions?

