



2017 Minnesota Assessment Results  
Reading, Mathematics and Science

# 2017 Reading, Mathematics and Science Results

## What is being released?

- 2017 Minnesota Assessment Results include student performance in reading, mathematics and science from two testing programs:
  - MCA
  - MTAS
- These tests measure how Minnesota students are doing on state academic standards in reading, mathematics and science.
  - The test rigor is consistent with high expectations in academic standards.
  - Standards and proficiency expectations increase as grade level increases.
- The assessments are direct measures of student performance.
- The results do not include students who did not participate in the assessments.

# Test Overview

- Reading assessments in grades 3-8 and 10 test performance on 2010 Minnesota Academic Standards.
  - MCA-III was first given to students in 2013.
- Mathematics assessments in grades 3-8 and grade 11 test performance on 2007 Minnesota Academic Standards.
  - MCA-III was first given to grades 3-8 students in 2011.
  - MCA-III for grade 11 students was given to students for the first time in 2014.
- Science assessments in grades 5, 8, and HS test performance on 2009 Minnesota Academic Standards.
  - MCA-III started in 2012 for science.
- For additional data, please visit the MDE Data Center.

# Reading Results

# Reading MCA-III Grades 3-8 and 10 Percent Meets and Exceeds

- Scores include MCA-III tests from 2013 to 2017.
- A new Reading test was introduced in 2013 and cannot be compared to previous years.
- Adaptive and off-grade testing (grades 3-8) was added in 2016 per legislation

| Grade      | 2013 | 2014 | 2015 | 2016 | 2017 |
|------------|------|------|------|------|------|
| All grades | 58%  | 59%  | 59%  | 60%  | 60%  |
| Grade 3    | 57%  | 58%  | 59%  | 57%  | 57%  |
| Grade 4    | 54%  | 55%  | 58%  | 58%  | 57%  |
| Grade 5    | 64%  | 68%  | 67%  | 68%  | 67%  |
| Grade 6    | 59%  | 61%  | 64%  | 62%  | 63%  |
| Grade 7    | 54%  | 56%  | 56%  | 57%  | 57%  |
| Grade 8    | 54%  | 56%  | 56%  | 57%  | 59%  |
| Grade 10   | 62%  | 60%  | 57%  | 59%  | 60%  |

# Reading MCA-III Grades 3-8 and 10 Percent Meets and Exceeds by Race/Ethnicity

- Scores include MCA-III tests from 2014 to 2017.
- Adaptive and off-grade testing (grades 3-8) was added in 2016 per legislation
- Race/Ethnic codes changed to the 7 Federal Race Codes in 2016 and for the previous 2 years

| Race/<br>Ethnicity                 | 2014 | 2015 | 2016 | 2017 |
|------------------------------------|------|------|------|------|
| All Students                       | 59%  | 59%  | 60%  | 60%  |
| Hispanic/Latino                    | 36%  | 37%  | 38%  | 38%  |
| American Indian/ Alaska Native     | 33%  | 34%  | 35%  | 35%  |
| Asian                              | 50%  | 52%  | 54%  | 53%  |
| Black/ African American            | 32%  | 32%  | 33%  | 33%  |
| Native Hawaiian / Pacific Islander | 50%  | 48%  | 48%  | 52%  |
| White                              | 67%  | 68%  | 68%  | 69%  |
| Two or more Races                  | 53%  | 55%  | 55%  | 55%  |

# Reading MCA-III Grades 3-8 and 10 Percent Meets and Exceeds by Special Populations

- Scores include MCA-III tests from 2013 to 2017.
- A new Reading test was introduced in 2013 and cannot be compared to previous years.
- Adaptive and off-grade testing (grades 3-8) was added in 2016 per legislation
- For each Special Population group, only students receiving services in the given year are included in results for that year.

| Special Population            | 2013 | 2014 | 2015 | 2016 | 2017 |
|-------------------------------|------|------|------|------|------|
| English Learner               | 16%  | 16%  | 17%  | 16%  | 14%  |
| Free and Reduced Priced Lunch | 38%  | 39%  | 40%  | 40%  | 40%  |
| Special Education             | 27%  | 28%  | 26%  | 26%  | 26%  |

# Reading MTAS-III Grades 3-8 and 10 Percent Meets and Exceeds

- The Minnesota Test of Academic Skills (MTAS) is an alternate assessment based on alternate achievement standards for students with the most significant cognitive disabilities.
- Scores include MTAS-III tests from 2013 to 2017.
- A new Reading test was introduced in 2013 and cannot be compared to previous years.

| Grade      | 2013 | 2014 | 2015 | 2016 | 2017 |
|------------|------|------|------|------|------|
| All grades | 68%  | 67%  | 67%  | 68%  | 69%  |
| Grade 3    | 72%  | 69%  | 70%  | 75%  | 75%  |
| Grade 4    | 68%  | 70%  | 64%  | 69%  | 68%  |
| Grade 5    | 69%  | 69%  | 68%  | 68%  | 69%  |
| Grade 6    | 69%  | 59%  | 66%  | 58%  | 63%  |
| Grade 7    | 65%  | 64%  | 64%  | 63%  | 64%  |
| Grade 8    | 67%  | 70%  | 71%  | 74%  | 70%  |
| Grade 10   | 67%  | 73%  | 69%  | 73%  | 72%  |



# Mathematics Results

# Mathematics MCA-III Grades 3-8

## Percent Meets and Exceeds

\*In 2012 students were given up to 3 opportunities to take the test online; highest score was score of record.

- Scores include MCA-III tests from 2011 to 2017.
- A new Mathematics test was introduced in grades 3 to 8 in 2011 and cannot be compared to previous years.
- Adaptive testing was added in 2012 per legislation
- Off-grade testing was added in 2016 per legislation

| Grade      | 2011 | 2012* | 2013 | 2014 | 2015 | 2016 | 2017 |
|------------|------|-------|------|------|------|------|------|
| All grades | 58%  | 65%*  | 63%  | 63%  | 62%  | 61%  | 60%  |
| Grade 3    | 70%  | 76%*  | 71%  | 72%  | 71%  | 69%  | 68%  |
| Grade 4    | 67%  | 73%*  | 71%  | 70%  | 70%  | 69%  | 67%  |
| Grade 5    | 54%  | 62%*  | 60%  | 62%  | 60%  | 59%  | 57%  |
| Grade 6    | 50%  | 60%*  | 57%  | 57%  | 58%  | 56%  | 55%  |
| Grade 7    | 52%  | 59%*  | 56%  | 57%  | 55%  | 56%  | 55%  |
| Grade 8    | 53%  | 62%*  | 59%  | 60%  | 58%  | 58%  | 58%  |

# Mathematics MCA-III Grades 11 Percent Meets and Exceeds

- Scores include MCA-III tests from 2011 to 2017.
- A new Mathematics test was introduced in grade 11 in 2014 and cannot be compared to previous years.
- Adaptive testing was added in 2016 per legislation

| Grade    | 2014 | 2015 | 2016 | 2017 |
|----------|------|------|------|------|
| Grade 11 | 51%  | 49%  | 47%  | 48%  |

# Mathematics MCA-III Grades 3-8 and 11 Percent Meets and Exceeds by Race/Ethnicity

- Scores include MCA-III tests from 2014 to 2017.
- Adaptive testing was added in 2012 (grades 3-8) and 2016 (grade 11) per legislation
- Off-grade testing was added in 2016 per legislation
- Race/Ethnic codes changed to the 7 Federal Race Codes in 2016 and for the previous 2 years

| Race/<br>Ethnicity                 | 2014 | 2015 | 2016 | 2017 |
|------------------------------------|------|------|------|------|
| All Students                       | 61%  | 60%  | 59%  | 59%  |
| Hispanic/Latino                    | 38%  | 37%  | 36%  | 35%  |
| American Indian/ Alaska Native     | 33%  | 32%  | 31%  | 30%  |
| Asian                              | 59%  | 58%  | 57%  | 57%  |
| Black/ African American            | 32%  | 30%  | 29%  | 28%  |
| Native Hawaiian / Pacific Islander | 45%  | 45%  | 44%  | 46%  |
| White                              | 69%  | 68%  | 68%  | 68%  |
| Two or more                        | 55%  | 54%  | 53%  | 52%  |

# Mathematics MCA-III Grades 3-8

## Percent Meets and Exceeds Special Populations

\*In 2012 students were given up to 3 opportunities to take the test online; highest score was score of record.

- Scores include MCA-III tests from 2011 to 2017.
- A new Mathematics test was introduced in grades 3 to 8 in 2011 and cannot be compared to previous years.
- Adaptive testing was added in 2012 per legislation
- Off-grade testing was added in 2016 per legislation
- For each Special Population group, only students receiving services in the given year are included in results for that year.

| Special Population            | 2011 | 2012* | 2013 | 2014 | 2015 | 2016 | 2017 |
|-------------------------------|------|-------|------|------|------|------|------|
| English Learner               | 27%  | 33%*  | 29%  | 29%  | 26%  | 24%  | 21%  |
| Free and Reduced Priced Lunch | 39%  | 47%*  | 44%  | 44%  | 42%  | 41%  | 39%  |
| Special Education             | 29%  | 37%*  | 34%  | 34%  | 29%  | 28%  | 28%  |

# Mathematics MCA-III Grade 11

## Percent Meets and Exceeds Special Populations

- Scores include MCA-III tests from 2014 to 2017.
- A new Mathematics test was introduced in grade 11 in 2014 and cannot be compared to previous years.
- Adaptive testing was added in 2016 per legislation
- For each Special Population group, only students receiving services in the given year are included in results for that year.

| Special Population            | 2014 | 2015 | 2016 | 2017 |
|-------------------------------|------|------|------|------|
| English Learner               | 9%   | 7%   | 4%   | 6%   |
| Free and Reduced Priced Lunch | 28%  | 27%  | 25%  | 26%  |
| Special Education             | 12%  | 11%  | 10%  | 10%  |

# Mathematics MTAS-III Grades 3-8

## Percent Meets and Exceeds

- The Minnesota Test of Academic Skills (MTAS) is an alternate assessment based on alternate achievement standards for students with the most significant cognitive disabilities.
- Scores include MTAS-III tests from 2011 to 2017.
- A new Mathematics test was introduced in grades 3 to 8 in 2011 and cannot be compared to previous years.

| Grade      | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|------------|------|------|------|------|------|------|------|
| All grades | 64%  | 67%  | 66%  | 66%  | 67%  | 68%  | 67%  |
| Grade 3    | 72%  | 75%  | 71%  | 77%  | 74%  | 83%  | 73%  |
| Grade 4    | 74%  | 70%  | 74%  | 74%  | 71%  | 76%  | 76%  |
| Grade 5    | 57%  | 62%  | 62%  | 60%  | 60%  | 60%  | 61%  |
| Grade 6    | 62%  | 69%  | 72%  | 68%  | 76%  | 69%  | 73%  |
| Grade 7    | 54%  | 56%  | 48%  | 56%  | 48%  | 55%  | 50%  |
| Grade 8    | 65%  | 67%  | 67%  | 66%  | 71%  | 70%  | 71%  |

# Mathematics MTAS-III Grades 11 Percent Meets and Exceeds

- The Minnesota Test of Academic Skills (MTAS) is an alternate assessment based on alternate achievement standards for students with the most significant cognitive disabilities.
- Scores include MTAS-III tests from 2014 to 2017.
- A new Mathematics test was introduced in grade 11 in 2014 and cannot be compared to previous years.

| Grade      | 2014 | 2015 | 2016 | 2017 |
|------------|------|------|------|------|
| All grades | 52%  | 51%  | 57%  | 51%  |



# Science Results

# Science MCA-III Grades 5, 8 and High School Percent Meets and Exceeds

- Scores include MCA-III tests from 2012 to 2017.
- A new Science test was introduced in 2012 and cannot be compared to previous years.

| Grade       | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|-------------|------|------|------|------|------|------|
| All grades  | 50%  | 52%  | 53%  | 53%  | 55%  | 54%  |
| Grade 5     | 58%  | 60%  | 61%  | 59%  | 61%  | 60%  |
| Grade 8     | 42%  | 44%  | 45%  | 45%  | 47%  | 46%  |
| High School | 52%  | 53%  | 53%  | 55%  | 56%  | 56%  |

# Science MCA-III Grades 5, 8 and High School Percent Meets and Exceeds by Race/Ethnicity

- Scores include MCA-III tests from 2014 to 2017.
- Race/Ethnic codes changed to the 7 Federal Race Codes in 2016 and for the previous 2 years

| Race/<br>Ethnicity                 | 2014 | 2015 | 2016 | 2017 |
|------------------------------------|------|------|------|------|
| All Students                       | 53%  | 53%  | 55%  | 54%  |
| Hispanic/Latino                    | 28%  | 27%  | 30%  | 29%  |
| American Indian/ Alaska Native     | 25%  | 25%  | 25%  | 27%  |
| Asian                              | 43%  | 44%  | 48%  | 47%  |
| Black/ African American            | 22%  | 22%  | 23%  | 22%  |
| Native Hawaiian / Pacific Islander | 43%  | 30%  | 51%  | 35%  |
| White                              | 61%  | 62%  | 63%  | 63%  |
| Two or more                        | 44%  | 47%  | 50%  | 48%  |

# Science MCA-III Grades 5, 8 and High School Percent Meets and Exceeds Special Populations

- Scores include MCA-III tests from 2012 to 2017.
- For each Special Population group, only students receiving services in the given year are included in results for that year.

| Special Population            | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|-------------------------------|------|------|------|------|------|------|
| English Learner               | 11%  | 11%  | 10%  | 8%   | 9%   | 7%   |
| Free and Reduced Priced Lunch | 31%  | 32%  | 33%  | 32%  | 34%  | 33%  |
| Special Education             | 23%  | 24%  | 24%  | 23%  | 25%  | 25%  |

# Science MTAS-III Grades 5, 8, and High School Percent Meets and Exceeds

- The Minnesota Test of Academic Skills (MTAS) is an alternate assessment based on alternate achievement standards for students with the most significant cognitive disabilities.
- Scores include MTAS-III tests from 2012 to 2017.
- A new Science test was introduced in 2012 and cannot be compared to previous years.

| Grade       | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|-------------|------|------|------|------|------|------|
| All Grades  | 75%  | 71%  | 74%  | 75%  | 74%  | 75%  |
| Grade 5     | 73%  | 70%  | 73%  | 70%  | 70%  | 72%  |
| Grade 8     | 82%  | 79%  | 80%  | 83%  | 80%  | 80%  |
| High School | 68%  | 62%  | 68%  | 70%  | 70%  | 74%  |

# Refusal data (opt-out) for Mathematics and Reading

# Parent Refusal Counts by Grade for All Accountability Tests (MCA-III, MOD-III, and MTAS-III) Mathematics and Reading

Parent Refusals – Mathematics

| Parent Refusals MATH | 2013 | 2014 | 2015 | 2016 | 2017 |
|----------------------|------|------|------|------|------|
| Grade 3              | 16   | 53   | 168  | 335  | 401  |
| Grade 4              | 24   | 55   | 178  | 331  | 484  |
| Grade 5              | 36   | 39   | 151  | 325  | 455  |
| Grade 6              | 19   | 48   | 146  | 286  | 570  |
| Grade 7              | 15   | 63   | 189  | 394  | 551  |
| Grade 8              | 27   | 52   | 210  | 473  | 794  |
| Grade 11             | 19   | 301  | 694  | 2227 | 2522 |

Parent Refusals - Reading

| Parent Refusals READING | 2013 | 2014 | 2015 | 2016 | 2017 |
|-------------------------|------|------|------|------|------|
| Grade 3                 | 21   | 62   | 165  | 317  | 397  |
| Grade 4                 | 27   | 58   | 172  | 324  | 467  |
| Grade 5                 | 36   | 36   | 144  | 314  | 440  |
| Grade 6                 | 22   | 53   | 133  | 272  | 535  |
| Grade 7                 | 15   | 62   | 167  | 350  | 507  |
| Grade 8                 | 27   | 51   | 192  | 386  | 665  |
| Grade 10                | 11   | 151  | 763  | 1404 | 1776 |

# Student Refusal Counts by Grade for All Accountability Tests (MCA-III, MOD-III, and MTAS-III) Mathematics and Reading

In 2017, Specificity was added to designate if the refusal was Parent or Student

| Student Refusals –<br>Mathematics | Student Refusals MATH | 2017 |
|-----------------------------------|-----------------------|------|
|                                   | Grade 3               | 16   |
| Grade 4                           | 21                    |      |
| Grade 5                           | 18                    |      |
| Grade 6                           | 19                    |      |
| Grade 7                           | 41                    |      |
| Grade 8                           | 67                    |      |
| Grade 11                          | 781                   |      |

| Student Refusals -<br>Reading | Student Refusals READING | 2017 |
|-------------------------------|--------------------------|------|
|                               | Grade 3                  | 24   |
| Grade 4                       | 16                       |      |
| Grade 5                       | 13                       |      |
| Grade 6                       | 18                       |      |
| Grade 7                       | 40                       |      |
| Grade 8                       | 53                       |      |
| Grade 10                      | 439                      |      |



# 2017-2018 Transition Year

- No Multiple Measure Rating (MMR), Adequate Yearly Progress (AYP), or Annual Measurable Achievement Objectives (AMAO) will be computed or released in summer 2017.
- The 2017-2018 school year will serve as another year of transition to our new accountability system.
  - [Transition Year Document](#)
- State Plan is available for comment through Aug. 31, 2017  
<http://education.state.mn.us/MDE/dse/ESSA/StatePlanPublicComment/>
- Northstar Excellence and Equity System will have initial calculations available in September 2018.