

The background is a solid green color with various mathematical symbols scattered across it. These symbols include squares, circles, and crosses, some of which are slightly larger and more prominent than others. The symbols are in a lighter shade of green than the background.

# Advanced Mathematics Placement

Updated May 2023

# Math Placement Overview

- Each spring all 3rd, 4th, & 5th grade students are screened for advanced math placement
- Multiple measures including curriculum-based assessments are used in determining math placement
- All incoming 4th and 5th grade families are notified of their child(ren)'s math placement via a placement letter in July.
- Students are rescreened annually for math placement regardless of participation in the program one year to the next.

# Math Placement Markers

- × **Link-it Math Form C Assessment**
  - × Administered in late May/Early June
  - × Measures all current grade level standards & skills
  - × Aligned to the New Jersey State Learning Standards

We consider this marker the strongest indicator of a child's current understanding and application of grade level math skills and standards, therefore it is weighted higher than other markers.

# Math Placement Markers Continued

- × Go Math End of Year Assessment
- × Number of Math Standards Exceeded
  - × As indicated on the Trimester 3 report card
- × Mathematical Practices Rating Scale
  - × Teachers complete a rating scale for every student prior to seeing performance on assessments. Teachers rate the mathematical practices which are identified in the New Jersey Student Learning Standards.
- × Grade Level Benchmark Problem Solving Assessment
  - × Aligned to grade level content and standards, this assessment is designed to measure a student's critical thinking, analysis, and problem solving skills.

# Examples of Mathematical Practices

- × Solves problems in multiple ways
- × Makes mathematical conjectures & arguments
- × Uses clear labels, units, and mathematical language accurately
- × Explains mathematical thinking clearly and precisely

# Creation of Rubric

Each Marker is broken into specific ranges where points will be assigned depending on the raw score or performance band.

For example:

## Link-it Form C Mathematics Assessment

Performance Band	Approaching, Partially Meeting,or Not Meeting	Bubble	Meeting	Exceeding
Points	0	2	3	4

# Remaining Point Values

## GoMath EOY Test

- 93-100 = 3 points
- 80-92 = 2 points
- 70-79 = 1 point
- 0-69 = 0 points

## Number of Standards

### Exceeded

- 4+ = 3 points
- 3 = 2 points
- 1-2 = 1 point
- 0 = 0 points

## Math Practices Rating Scale

- 20+ = 2 points
- 11-19 = 1 point
- 0-10 = 0 points

## Performance Task

- 12 of 13 = 3 points
- 10 or 11 = 2 points
- 8 or 9 = 1 point
- 7 or less = 0 points

# Process Timeline

- Data from the five markers is collected
- Spreadsheet with all student data is created
- Establish the Advanced Math Rubric Score for each student
- Identify advanced math student roster and identify students eligible for an appeal
- Contact parents via letter (typically July)
- Complete appeal process
  - Late August-Early September