

Tokyo International Progressive School
Grade 5 Math Course Outline
2026-2027
Ms. Aki Takeuchi - Room 22



COURSE DESCRIPTION

In Grade 5 Math, students will be developing their skills in the following topics: operations and algebraic thinking, numbers and operations in base ten, fractions, measurement and data, and geometry. Many of these topics will build on the content introduced in Grade 4 math. The objective is for students to develop their fluency with addition, subtraction, multiplication, and division of whole numbers, decimals, and fractions, plotting data on coordinates, and developing an understanding of measurements and conversions.

This course will allow students to practice:

1. Making sense of problems and persevering in solving them
2. Reasoning abstractly and quantitatively
3. Constructing viable arguments and critiquing the reasoning of others
4. Modeling with mathematics
5. Using appropriate tools strategically
6. Attending to precision
7. Looking for and making use of structure
8. Looking for and expressing regularity in repeated reasoning

STUDENT EXPECTATIONS

For every lesson, students are required to bring their pencil case, water bottle, headphones/earphones, math work, charged laptop, folder, and any other materials needed for their accommodations. For some units, tools such as a ruler or protractor may be necessary—there will be a notice in advance if students need to acquire them. There will be a limited number available for borrowing in the classroom.

Once students enter the room, they are expected to sit quietly and begin the warm-up activity. Daily Work will be completed through booklets and IXL assignments. There is no daily

homework, but any unfinished IXL is considered homework by the deadline indicated on Google Classroom. If the work is not submitted by the assigned due date, the student may be required to attend WIN to complete it. For every day a student is absent, they will have two school days to complete any work from the missed class(s). All assignments and paperwork that were due at the beginning of the missed class (e.g., homework, projects, reports, signed papers, etc.) will be due on the day of return. Students have a responsibility to ask the teacher for any missed work from their absences.

If a student requires more time to complete their assignments, they must take initiative and inform the teacher with an appropriate reason. If the reasons are legitimate, an extension can be offered, and a new due date will be set with the student. Failure to meet this new deadline will result in a zero for the assignment. If a student receives a D+ grade or below on a test, the student will receive the opportunity to have a retest for a portion of the missed marks.

EARNING YOUR GRADE

Students' grades will be determined by their work in these categories:

<i>Category</i>	<i>Percentage</i>
<u>6P</u> Positive/pleasant/polite behaviors govern how members of the TIPS community are expected to treat each other. Prepared/punctual/productive behaviors guarantee academic success. A mark out of 10 will be awarded to each student for each class.	10%
<u>Quiz</u> Quizzes are usually between 5 to 10 questions and should take about 5 to 10 minutes to complete. They are formative assessments that help to check student progress throughout the course.	20%
<u>Daily Work</u> Daily work are assignments that are completed within a class period and are directly tied to the objective of the lesson.	25%
<u>Project</u> Projects are longer assessments that carry over a series of classes and target the development of skills such as research, organization, group work, and presentation. Students may need to work on parts of the project outside class time.	25%
<u>Progress Test</u> Progress tests are summative assessments given at the end of a unit. It will cover a substantial amount of material learned in that unit and typically take about an entire period to complete.	20%

The grading scale for this course will follow the TIPS/UNHS grading scale:

<i>Letter Grade</i>	<i>Mark Range</i>
A+	98 - 100
A	93 - 97
B+	90 - 92
B	85 - 89
C+	82 - 84
C	77 - 81
D+	74 - 76
D	70 - 73
F	69 or below

IMPORTANT DATES (*exact dates will be announced to the students throughout the year*)

<i>Assessment</i>	<i>Date</i>
Place Values Test	September
Number Operations Test and Project	October
Order of Operations Test	November
Multiples, Factors, and Primes Project	December
Fractions Test	January
Fractions Project	February
Units of Measurement Test	March
Geometry Test	April
Data and Coordinates Test	May
Data and Coordinates Project	June

All due dates will be noted on Google Classroom and marked by students on their own agendas.