

IPoly Math Assessment Study Guide

(for students applying for 9th or 10th Grade)

In order to prepare for the math portion of IPoly's admissions assessment, it is suggested that students practice specific concepts listed in the outline below. The 20-question test will take place at IPoly; students will have approximately 60 minutes to complete the assessment. Students must show their work on a scratch paper; calculators will not be allowed.

7th Grade

- Equivalent ratios
- Percent of numbers
- Area of basic geometric shapes
- Greatest common factor
- Multiply and divide numbers
- Word problems

8th Grade

- Multiply using the distributive property
- Solve two-step equations
- Slope of a line
- Proportions
- Solve equations involving exponents
- Word problems

Integrated Math 1

- Slope intercept form
- System of linear equations
- Area of basic geometric shape

Suggested Resources:

It is recommended that students practice specific formulas listed in the outline above by pulling up online examples or getting assistance from a tutor or teacher. Other suggestions include using free resources such as www.khanacademy.org and www.youtube.com. An optional fee-based site to look into is www.ixl.com.