

St. Theresa Catholic School
2024 Summer Math Requirements
Returning Students Entering Grade 8

Congratulations on finishing 7th grade!

During 8th grade math, you will study either pre-algebra or algebra 1. For you to succeed in these challenging courses, it is important that you are confident in your math skills from 7th grade.

Just like practicing your favorite sport helps you maintain and develop your skills, **you need to practice math** to help you maintain and strengthen your knowledge from 7th grade!

You have a few ways to do this during the summer. You and your parents should choose one option **within the first week of summer** and make a plan for how you will complete all of the work. Your summer work will be the first grade you receive in math when you get back to school in August.

Option 1 (for all students)

Complete a [Summer Math Enrichment class at Brophy College Preparatory](#). You must bring the certificate of completion with you on your first day of school in August. You will not receive credit for this option if you miss more than one full day of class at Brophy.

Option 2 – for students in 7A during the 2023-2024 school year

Complete work in IXL. **Make sure you are logged into your school Google account to get credit!!!** There are **three** things you need to do to get credit:

1. Complete a diagnostic test by June 10, 2024.
2. Complete the following required skills up to a Smart Score of at least 80. Doing one skill a week is the best way to spread this out over the whole summer!
 - [Negative and zero exponents](#)
 - [Estimate square roots](#)
 - [Irrational numbers](#)
 - [Solve equations](#)
 - [Pythagorean theorem](#)
 - [Slope from a graph](#)
 - [Writing functions](#)
 - [Solve system by graphing](#)
3. Complete at least 2 additional hours of practice on other math skills recommended to you by IXL that are **at 8th grade level or higher**. Spending 15 minutes a week on recommended skills is the best way to do this!
 - You can find these skills on the first page of IXL when you log in. Make sure you are practicing 8th grade or higher skills.

Option 2 – for students in 7B during the 2023-2024 school year

Complete work in IXL. **Make sure you are logged into your school Google account to get credit!!!** There are **three** things you need to do to get credit:

4. Complete a diagnostic test by June 10, 2024.
5. Complete the following required skills up to a Smart Score of at least 80. Doing one skill a week is the best way to spread this out over the whole summer!
 - [Add integers](#)
 - [Equivalent fractions](#)
 - [Convert decimals to fractions](#)
 - [Unit rates](#)
 - [Percent word problems](#)
 - [Percent equations](#)
 - [Distributive property](#)
 - [Solve one-step equations](#)
6. Complete at least 2 additional hours of practice on other math skills recommended to you by IXL that are **at 7th grade level or higher**. Spending 15 minutes a week on recommended skills is the best way to do this!
 - You can find these skills on the first page of IXL when you log in. Make sure you are practicing 7th grade or higher skills.

Option 3 (for all students)

Work through a Spectrum Math workbook. You will have to complete **all odd numbered problems** in the workbook for credit. Each page has a mini-lesson to help you if you forgot a topic. There are also QR codes to scan for a video lesson if you need even more help.

I recommend you complete **about 20 pages a week** rather than cramming this all in at the end. Each page should take 1-3 minutes if you are focused.

If you were in 7B last year: [Purchase the 7th grade review workbook here.](#)

If you were in 7A last year: [Purchase the 8th grade review workbook here.](#)