

St. Rita School - Summer Math
Transfer Students, Rising 4th through 8th Grade
Math Fact Fluency

Summer Math Goal

Achieve or maintain fluency in all multiplication facts 0-12,
as well as perfect squares up to 15

What is my student expected to do this summer for math?

All students are expected to achieve or maintain quick recall of all their multiplication facts 0-12, as well as perfect squares up to 15. To remain “fluent” in their math facts, students should be able to answer any given multiplication fact in 1-2 seconds.

How will I know if my student is prepared?

Each St. Rita student was tested for math fact fluency at the end of the school year. Our fact fluency test gives 50 questions in 60 seconds. We encourage you to test your student at home using a standard 60 second timed test, available at **webmathminute.com**. Please choose only the multiplication option, facts from 1 to 12, and 50 questions in 60 seconds. You have the option of taking the test online or printing a test and using paper and pencil - whichever you and your student prefer.

Your student is considered fluent according to the following guidelines:

- Rising 8th Grader - 48 questions correct in 60 seconds
- Rising 7th or 6th Grader - 45 questions correct in 60 seconds
- Rising 4th or 5th Grader - 40 questions correct in 60 seconds

Students who answered 40 or more questions correctly should check in with a math game or retake the fluency quiz about **once a week** to maintain their skills.

Students who answered fewer than 40 questions correctly should check in **at least 3 times a week** with a math game targeting multiplication skills.

Students will be assessed for fluency during the first week back to school.

What resources should we use?

- **Webmathminute.com** - this website will help you know if your student is maintaining their fluency throughout the summer. Students can take the 60 second test online or printed out for paper and pencil.
- **Prodigy** - St. Rita's students will create a Prodigy account during their computer class, this free math website introduces students to many varied math concepts and will help maintain their general math knowledge
- **Khan Academy** - students can target specific concepts they struggled with throughout the year through free online videos and lessons, they will also receive immediate feedback through given practice activities
- **IXL.com** - targeted math practice for concepts that students have struggled with
- **Multiplication Games** - choose a favorite flashcard game, multiplication war with a deck of cards, online multiplication games, or app for phones or tablets
 - Try free trials of math websites like BuzzMath.com to find a site that you like

What else can my student do to prepare for math next year?

If your student is fluent in their math facts and would like to do more to prepare for math next year, we suggest the following online courses from Khan Academy (all courses can be found at khanacademy.org/math)

- **Any Course by Grade - 3rd, 4th, 5th, 6th, 7th, 8th** - help your student pick a course by grade to review or to challenge
- **Arithmetic** - a fundamentals course to maintain skills in addition, subtraction, multiplication and division of whole numbers, fractions, decimals, and integers (most appropriate for middle school, but younger grades can explore as well)
- **Illustrative Mathematics - by grade 6th, 7th, 8th** - challenge your student with a course in creative mathematics and spatial reasoning skills
- **Eureka Math/Engage NY by grade 3rd, 4th, 5th** - an alternative math course with a focus in visualizing math concepts