

# At Home Group Tutoring

## TOPICS AND SAMPLE LESSONS

This program is designed to reinforce core concepts from previous learning while equipping students with new skills tailored to their current grade level. Below is an overview of the topics each group will cover throughout the course.

In 5th grade, students build upon the multiplication and division skills they learned in earlier grades. They delve deeper into these operations, mastering more advanced concepts and techniques. Multiplication and division are foundational arithmetic operations that serve as building blocks for more complex mathematical concepts and are essential for understanding higher-level topics such as fractions, decimals, ratios, proportions, and algebra. Our instructors will provide individualized attention to help students master these important concepts from prior grade levels and become confident mathematicians prepared for 5th grade.

We will explore advanced fractions and decimal notation. Students will learn how to read, write, and compare fractions and decimals, as well as how to perform operations with these numbers. Fractions and decimals provide essential insights into the concept of place value. Understanding that decimal digits represent parts of a whole or a fraction of a unit helps students grasp the positional value system, which is foundational for working with larger numbers and decimals. In 5th grade, students deepen their understanding of arithmetic operations with fractions and decimals. They learn to add, subtract, multiply, and divide fractions and decimals, which are essential skills for solving real-world problems and advancing to more complex mathematical concepts.

- Principles of Multiplication and Division
- Advanced Fractions and Decimal Notation

Week	Session	Topic
1	1	Multiplying Two-Digit Numbers
1	2	Multiplying Two-Digit Numbers
2	3	3-Digit by 1-Digit Division
2	4	3-Digit by 1-Digit Division
3	5	Comparing Fractions

3	6	Comparing Fractions
4	7	Adding Fractions
4	8	Adding Fractions
5	9	Compose and Decompose Fractions
5	10	Compose and Decompose Fractions
6	11	Multiplying Whole Numbers and Fractions
6	12	Multiplying Whole Numbers and Fractions
7	13	Fractions, Decimals, and Percentages
7	14	Fractions, Decimals, and Percentages
8	15	Fractions, Decimals, and Percentages
8	16	Final Reflection of Learning

## Sample Lessons

Below are links to a few sample lessons that your student(s) may work on throughout the 8-week program. These lessons are designed to encourage group discussion and allow students to work with digital manipulatives on screen. Remember, these are just samples of lessons and, thus, are quite a bit shorter than what will be covered in a 60-minute session.

- [Principles of Multiplication and Division](#)
- [Advanced Fractions and Decimal Notation](#)

## Questions or Concerns?

Each session in our program is designed to be one hour long, with 50 minutes dedicated to focused instruction. The final 10 minutes are set aside for student reflection and session wrap-up. During this time, the tutor will guide students in reflecting on what they learned, sharing areas of challenge or success, and reinforcing key takeaways from the lesson. This helps solidify understanding while fostering self-awareness in learning.

**Please Note:** If at any point you feel a question or concern is not adequately addressed by the assigned tutor, or if you wish to unenroll your student(s), please get in touch with [familytutoring@cignition.com](mailto:familytutoring@cignition.com). Tutors cannot unenroll students and are encouraged to designate all payment and logistical questions to the Family Plan Program Manager, Madelyn Brown.