

At Home Group Tutoring

TOPICS AND SAMPLE LESSONS

This syllabus and outline will build upon the foundational skills taught in the previous sessions, focusing on more advanced fraction operations, decimals, and an introduction to data analysis to prepare students for the next stage in their math journey.

In this continuation, we will focus on deepening students' understanding of fractions, decimals, and basic ratio concepts. Students will explore the foundations of ratios and proportional reasoning, extend their skills in fraction operations, and then transition to working with decimals. The goal is to ensure students are well-prepared for the mathematical challenges of 6th grade, with a strong focus on problem-solving and application.

- Connecting Ratios, Fractions, and Percentages
- Color-Mixing Ratios

Week	Session	Topic
1	1	Introduction to Ratios
1	2	Understanding Equivalent Ratios
2	3	Solving Problems with Ratios
2	4	Introduction to Percentages
3	5	Connecting Ratios, Fractions, and Percentages
3	6	Connecting Ratios, Fractions, and Percentages
4	7	Problem-Solving with Ratios
4	8	Problem-Solving with Ratios

5	9	Decimal Place Value
5	10	Adding and Subtracting Decimals
6	11	Multiplying and Dividing Decimals
6	12	Multiplying and Dividing Decimals
7	13	Converting Fractions to Decimals
7	14	Comparing and Ordering Fractions and Decimals
8	15	Real-World Applications
8	16	Final Project and Reflection

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.

- [Connecting Ratios, Fractions, and Percentages](#)
- [Color-Mixing Ratios](#)

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. Tutors cannot unenroll students and are encouraged to designate all payment and logistical questions to the Family Plan Program Manager, Madelyn Brown.