

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 next piece of the program, we will extend our understanding of fractions and build a strong foundation in decimals. We'll explore operations involving both fractions and decimals and transition into data analysis, which introduces students to concepts they will encounter in middle school. This portion of the curriculum aims to solidify students' skills with advanced fraction operations, introduce them to decimal concepts, and lay the groundwork for interpreting data using visual representations. This comprehensive approach ensures students are well-prepared for the sixth-grade focus on ratios, proportional relationships, and more complex data analysis.

- **Multiplying Mixed Numbers**
- **Multiplying Decimals**

Week	Session	Topic
1	1	Adding and Subtracting Mixed Numbers
1	2	Adding and Subtracting Mixed Numbers
2	3	Multiplying Mixed Numbers and Fractions
2	4	Multiplying Mixed Numbers and Fractions
3	5	Dividing Mixed Numbers
3	6	Dividing Mixed Numbers
4	7	Real-World Fraction Applications
4	8	Real-World Fraction Applications

5	9	Introduction to Decimals
5	10	Decimal Place Value
6	11	Adding and Subtracting Decimals
6	12	Multiplying and Dividing Decimals
7	13	Comparing and Ordering Decimals
7	14	Solving Problems with Decimals
8	15	Introduction to Data Analysis
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.

- [Multiplying Mixed Numbers](#)
- [Multiplying Decimals](#)

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.