

Module	Course Content	Estimated Time Needed to Complete
Module 1	Review Prepare Your Team and conduct any steps your team may need to prepare	5-30 minutes
Lay the Groundwork for Lesson Study	Review Study Step 1 – Download the Teaching and Learning Plan	5-10 minutes
Module 2	Solve and discuss fractions tasks and analyze student solutions	45-60 minutes
What is challenging about fractions	Summarize students' common challenges with fractions	30-45 minutes
Module 3	Read about Models of Fractions	20 minutes
Explore Fraction Models	Do the Mystery Strip Activity	30 minutes
Module 4	Read and discuss Grade 3 curriculum materials and watch classroom lesson videos	120-140 minutes
Examine Curriculum Materials: Introduction to Fractions		
Module 5	Read and discuss Grade 4 curriculum materials and watch classroom lesson videos	120-140 minutes
Examine Curriculum materials: Equivalent Fractions	Read and discuss linear measurement materials	15 minutes
Module 6	Review Standards and revisit your insights so far from Modules 2, 3, 4 & 5.	30 minutes
Plan the Unit and Research Lesson	Consider where your students are mathematically and write a rationale for your research lesson	15 -30 minutes
	Complete the rest of the teaching and learning plan.	40-90 minutes
Module 7	Teach a mock-up lesson – Plan Step 6	40-60 minutes
	Finalize the Teaching and Learning Plan – Plan step 7	20-60 minutes
	RESEARCH LESSON DAY: Conduct a pre-lesson discussion - Teach Step 1, Teach and observe the lesson – Teach Step 2, Review data – Reflect Step 1, Conduct a post lesson discussion – Reflect Step 2, Final commentary – Reflect Step 3.	120 -180 minutes
	Consolidate your learning – Reflect Step 4	40-60 minutes

