

➔ **START HERE: Download [Fraction Toolkit](https://lessonresearch.net/tk/toolkit)** <https://lessonresearch.net/tk/toolkit>

As you work through the Fraction Toolkit, you will be prompted to use the following resources:

1. LESSON STUDY & MEETING RESOURCES

Meeting Tools

- [Setting Group Norm](https://lessonresearch.net/tk/1a.docx)
<https://lessonresearch.net/tk/1a.docx>
- [Sample First Agenda for New Teams](https://lessonresearch.net/tk/1b.docx)
<https://lessonresearch.net/tk/1b.docx>
- [Sample First Agenda for Experienced Teams](https://lessonresearch.net/tk/1c.docx)
<https://lessonresearch.net/tk/1c.docx>
- [Sample Agenda for Any Meeting](https://lessonresearch.net/tk/1d.docx)
<https://lessonresearch.net/tk/1d.docx>
- [Meeting Reflection Form](https://lessonresearch.net/tk/1e.docx)
<https://lessonresearch.net/tk/1e.docx>

Lesson Study Tools

- [Teaching and Learning Plan](https://lessonresearch.net/tk/1f.docx)
<https://lessonresearch.net/tk/1f.docx>
- [Protocol for Lesson Observation](https://lessonresearch.net/tk/1g.docx)
<https://lessonresearch.net/tk/1g.docx>
- [Lesson Observation](https://lessonresearch.net/tk/1h.docx)
<https://lessonresearch.net/tk/1h.docx>
- [Protocol for Post Lesson](https://lessonresearch.net/tk/1i.docx)
<https://lessonresearch.net/tk/1i.docx>
- [Consent Form for Parents](https://lessonresearch.net/tk/1j.pdf)
<https://lessonresearch.net/tk/1j.pdf>
- [Consent Form for Additional Observers](https://lessonresearch.net/tk/1k.pdf)
<https://lessonresearch.net/tk/1k.pdf>

End-of-Cycle Tools

- [End-of-Cycle Reflection Form](https://lessonresearch.net/tk/1m.docx)
<https://lessonresearch.net/tk/1m.docx>
- [Sample PowerPoint Presentation Template](https://lessonresearch.net/tk/1n.ppt)
<https://lessonresearch.net/tk/1n.ppt>

2. MYSTERY STRIP

- [Mystery Strip Activity](https://lessonresearch.net/tk/2a.pdf)
<https://lessonresearch.net/tk/2a.pdf>

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3. CURRICULUM

- [Mathematics 3B Student Book](#)
<https://lessonresearch.net/tk/3a.pdf>
- [Mathematics 3B Teacher's Edition](#)
<https://lessonresearch.net/tk/3b.pdf>
- [Mathematics 4B Student Book](#)
<https://lessonresearch.net/tk/3c.pdf>
- [Mathematics 4B Teacher's Edition](#)
<https://lessonresearch.net/tk/3d.pdf>

4. CCSS-M

- [CCSS-Math Standards](#)
<https://lessonresearch.net/tk/4a.pdf>
- [CCSS Fraction Standards](#)
<https://lessonresearch.net/tk/4b.pdf>

5. VIDEOS RESOURCES

Video: New to Lesson Study

- [How Many Seats?](#)
<https://vimeo.com/48826775>

Video: Fraction Lesson Series 1

- [Lesson 1 - How Can We Express Fractional Part \(Unit Fractions\)?](#)
<https://vimeo.com/55808490>
- [Lesson 2 - How Can We Express Fractional Parts \(Non-unit Fractions\)?](#)
<https://vimeo.com/55808489>
- [Lesson 3 - Fraction Size](#)
<https://vimeo.com/55808533>

Video: Fraction Lesson Series 2

- [Using the Number Line to Express Equivalence – Dr. T.](#)
<https://vimeo.com/171669209>
- [Lesson 2 – Connecting Fraction Strips to the Number Line](#)
<https://vimeo.com/171066165>
- [Lesson 3 – Connecting Fraction Strips to the Number Line](#)
<https://vimeo.com/171780797>
- [Lesson 4 – Connecting Fraction Strips to the Number Line](#)
<https://vimeo.com/172959436>

Video Tools and Lesson Plan

- [Video Observations Notes](#)
<https://lessonresearch.net/tk/5a.doc>
- [Dr. T's Lesson Plans for Lesson Series 1](#)
<https://lessonresearch.net/tk/5b.pdf>
- [Dr. T's PowerPoint Presentation for Lesson Series 2](#)
<https://lessonresearch.net/tk/5c.pptx>