



Accelerate Math Grade 5

The resources linked below are built as proactive support to upcoming classroom content in order to ensure students' readiness for grade level mathematics. Each grade level document includes correlations to in-class lessons, links to resources including a google slide presentation for each tutoring session, links to [virtual manipulatives](#) and [Desmos](#) activities when available. Sessions were designed for virtual instruction, but teachers should adjust to the mode of delivery, technology and resources available to them. Elements of the presentation can be written on paper and shown to students through a document camera, imported into other presentation software, or used with students physically present in class.

To prepare for sessions, tutors will:

- Read the "Tutor's preparation slide."
- Study the Google Slides presentation.
- Follow the "Speaker Notes" in the Google Slide Presentation.

Helpful links:

- [Learn Desmos](#)
- [Grade 5 LDOE Tutoring Desmos Collection](#)

Accelerate Math Resources are developing and will be posted through the end of 2021. Please provide suggestions for improvement by filling out the [Accelerate Math feedback](#) form.



Grade 5

Session Accelerates to these Grade-Level Lessons	Session Focus Topic:	Connected Grade-Level Standards.	Source Content and Foundational Standards	Resources
Module 3, Lessons 1-4	Building conceptual understanding of numbers equal to one, greater than one, and less than one and the connection between multiplication and repeated addition	5.NF.A.1, 5.NF.A.2a	4.NF.A.1 , 4.NF.B.3 , 4.NF.A.2	<ul style="list-style-type: none"> • Desmos Activity Session 1 • Desmos Activity Session 2 • Whiteboard or paper
Module 3, Lessons 5-8	Using unit language to make meaning of fractions greater than one in different forms.	5.NF.A.1, 5.NF.A.2a	4.NF.A.1 , 4.NF.B.3 , 4.NF.A.2	<ul style="list-style-type: none"> • Desmos Activity Session 1 • Desmos Activity Session 2 • Whiteboard or paper
Module 3, Lessons 9-12	Performing operations on fractions using visual fraction models	5.NF.A.1, 5.NF.A.2a	4.NF.A.1 , 4.NF.B.3 , 4.NF.A.2	<ul style="list-style-type: none"> • Desmos Activity Session 1 • Desmos Activity Session 2 • Whiteboard or paper
Module 3, Lessons 13-15 & Module 4, Lesson 1	Using benchmark fractions to compare values and plot on a numberline	5.NF.A.1, 5.NF.A.2a	4.NF.A.2	<ul style="list-style-type: none"> • Desmos Activity Session 1 • Desmos Activity Session 2 • White board or paper
Module 4, Lessons 2-5	Comparing numbers in fraction form, decimal form and unit form	5.NF.B.3	4.NF.C.7	<ul style="list-style-type: none"> • Desmos Activity Session 1 • Desmos Activity Session 2 • White board or paper



Session Accelerates to these Grade-Level Lessons	Session Focus Topic:	Connected Grade-Level Standards.	Source Content and Foundational Standards	Resources
Module 4, Lesson 6-7, 9-10	Decompose a fraction in various ways and write the related number sentences, and add two fractions with related units with and without a model	5.NF.B.4, 5.NF.B.6, 5.NF.A.2	4.NF.B.3, 4.NF.B.4, 4.NF.A.1	<ul style="list-style-type: none"> • White board or paper • 3 strips of paper
Module 4, Lesson 11-15	Use the associative property to multiply fractions, write repeated addition as a multiplication problem, and solve multiplicative comparison word problems involving fractions	5.NF.A.2, 5.NF.B.6, 5.NF.B.4	4.NF.B.4, 4.OA.A.2	<ul style="list-style-type: none"> • White board or paper
Module 4, Lesson 16-20	Multiply a whole number and a mixed number, and convert measurements	5.NF.B.6, 5.NBT.B.7, 5.NF.B.4, 5.MD.A.1	4.NF.B.4, 4MD.A.1, 4.OA.A.2, 4.MD.A.	<ul style="list-style-type: none"> • White board or paper • ruler



Session Accelerates to these Grade-Level Lessons	Session Focus Topic:	Connected Grade-Level Standards.	Source Content and Foundational Standards	Resources
Module 4, Lesson 21-24	Add and multiply unit fractions to build fractions greater than 1, compare fractions greater than 1 by creating common denominators, use multiplication to express equivalent measurements, and solve 2-step word problems using measurement conversions.	5.NF.B.5, 5.NF.B.6	4.NF.B.3, 4.NF.B.4, 4.NF.A.1, 4.NF.A.2	<ul style="list-style-type: none"> • White board or paper • ruler
Module 4, Lesson 25-27, 29-31	Use the area model to show fraction equivalence, use number sentences to show fraction equivalence, simplify fractions. and compose and decompose fractions.	5.NF.B.7, 5.NF.B.6, 5.NF.B.5	4.NF.A.1	<ul style="list-style-type: none"> • White board or paper
Module 5, Lessons 1-3	Describe the attributes of shapes, measure using inch and centimeter tiles	5.MD.C.3, 5.MD.C.4, 5.MD.C.5	2.G.A.1, 3.MD	<ul style="list-style-type: none"> • White board or paper



Session Accelerates to these Grade-Level Lessons	Session Focus Topic:	Connected Grade-Level Standards.	Source Content and Foundational Standards	Resources
Module 5, Lessons 4, 6-7	Solve word problems involving area and perimeter	5.MD.C.5	3.MD, 4.MD.A.3, 4.OA.A.2	<ul style="list-style-type: none"> • White board or paper
Module 5, Lessons 10-15	Analyze rectangles, use the distributive property to find the area of large rectangles, and multiply fractions	5.NF.B.4, 5.NF.B.6	3.MD.C.7 and previous on grade level lessons that align to 5.NF	<ul style="list-style-type: none"> • White board or paper
Module 5, Lessons 16-21	Compare, classify, and draw polygons and classify and reason about quadrilaterals based on parallel lines, perpendicular lines, and angles	5.G.B.3, 5.G.B.4	3.G.A.1, 4.G.A.2	<ul style="list-style-type: none"> • White board or paper • Ruler/Protractor
Module 6, Lessons 1-3, 7-9, 19-20	Plotting on a coordinate plane, identifying number patterns, and analyzing graphs	5.G.A.1, 5.G.A.2, 5.OA.B.3	3.OA, 3.MD, and an introduction to 5.G.A.1	<ul style="list-style-type: none"> • White board or paper • Ruler/Protractor

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