



Accelerate Math Grade 4

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 4 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 4

Session Accelerates to these Grade-Level Lessons	Session Focus Topic:	Connected Grade-Level Standards.	Source Content and Foundational Standards	Resources
Module 3, Lessons 27-31	Build conceptual understanding of division using visual models	4.NBT.B.6, 4.OA.A.3	G3 M1 L4, 5, 11, 15, 16 G4 M3 L10 Foundational Standards: 3.OA	<ul style="list-style-type: none"> • Desmos Activity Session 1 • Desmos Activity Session 2 • Whiteboard or paper
Module 3, Lessons 32-36	Build conceptual understanding of multiplication using visual models	4.NBT.B.5, 4.NBT.B.6, 4.OA.A.3	G3 M3 L3, 15, 16 G4 M3 L10 Foundational Standards: 3.OA	<ul style="list-style-type: none"> • Desmos Activity Session 1 • Desmos Activity Session 2 • Virtual Place Value Disks • Whiteboard or paper
Module 4 Lessons 1-4	Recognize attributes of shapes Use attributes to classify shapes and angles	4.G.A.1	G3 M1 L2, 6, 9, 10, 19, 20 Foundational Standards: 3.OA, 3.G.A.1	<ul style="list-style-type: none"> • Desmos Activity Session 1 • Desmos Activity Session 2 • Whiteboard or paper
Module 4 Lessons 5-8	Recognize attributes of shapes Use attributes to classify shapes and angles Partition shapes into halves, thirds and fourths	4.MD.C.5, 4.MD.C.6	G3 M7 L 4, 5, 6, 9 Foundational Standards: 3.OA, 3.OA,2.G.A.1, 3. G.A.1	<ul style="list-style-type: none"> • Desmos Activity Session 1 • Desmos Activity Session 2 • Ruler/straight edge • 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 Lessons 9-15	Build conceptual understanding of multi-digit addition and subtraction using a variety of strategies	4.MD.C.7	G2 M8 L1, 2, 3, 9 Foundational Standards: 3.OA, 2.NBT.B.7	<ul style="list-style-type: none"> • Desmos Activity Session 1 • Desmos Activity Session 2 • Virtual Place Value Disks • White board or paper
Module 5 Lessons 1-6	Build conceptual understanding of unit, non-unit fractions Build and write fractions greater than one	4.NF.B.3.b, 4.NF.B.4a	G2 M4, L24, 26, 28, 29, 30 Foundational Standards: 3.NF.A.1, 3.G.A.2	<ul style="list-style-type: none"> • Desmos Activity Session 1 • Desmos Activity Session 2 • White board or paper
Module 5 Lessons 7-11	Build conceptual understanding of equivalent fractions	4.NF.A.1	G3 M5, L20, 21, 22, 23 Foundational Standards: 3.NF.A.1, 3.NF.A.3, 3.NF.A.2	<ul style="list-style-type: none"> • Desmos Activity Session 1 • Desmos Activity Session 2 • White board or paper
Module 5 Lessons 12-15	Compare, partition and decompose fractions using visual fraction models	4.NF.A.1, 4.NF.A.2	G3 M5, L28, L29, L30; G4 M5, L6 Foundational Standards: 3.NF.A.1, 3.NF.A.3, 3.G.A.2	<ul style="list-style-type: none"> • White board or paper
Module 5 Lessons 16-19	Place fractions on a numberline	4.NF.B.3a, 4.NF.B.3b, 4.NF.B.3d	G3 M5, L14, L15, L16, L17 Foundational Standards: 3.NF.A.2, 3.NF.A.3	<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 22-28	Place fractions on a numberline to compare	4.NF.A.1, 4.NF.A.2, 4.NF.B.3a, 4.NF.B.3b, 4.NF.B.4a, 4.NF.B.4b	G3 M5, L25, L26; G3 M6, L8; G4 M5, L14 Foundational Standards: 3.NF.A.1, 3.NF.A.3, 3.G.A.2, 3.NF.A.2, 3.MD.B.4	<ul style="list-style-type: none"> White board or paper
Module 5 Lessons 29-34	Add and subtract fraction using visual models	4.NF.B.3	G4 M5, L16, L17, L18, L20 Foundational knowledge is in the earlier learning of 4.NF.B.3	<ul style="list-style-type: none"> White board or paper
Module 5 Lessons 35-41	Multiply using the distributive and commutative property, solve multiplicative comparison problems, and solve word problems with line plots.	4.NF.B.4, 4.OA.A.2, 4.MD.A.2, 4.MD.B.4	G3 M3, L2, L6, L10; G4 M3, L2; G4 M5, L28 Foundational Standards: 3.OA.A.3, 3.OA.C.7	<ul style="list-style-type: none"> White board or paper
Module 6 Lessons 1-6	Compose and decompose a kilogram, build and write unit fractions greater than one, and use place value understanding to read and write numbers	4.NF.C.6, 4.NF.C.5, 4.MD.A.1, 4.NF.A.1	G2 M3, L13, L14; G3 M3, L6; G3 M5, L9 Foundational Standards: 3.OA.B.5, 3.NF.A.1, 2.NBT.A.1, 2.NBT.A.2, 2.NBT.A.3	<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 6 Lessons 9-16	Add measurements using the standard algorithm and solve word problems related to money	4.NF.C.7, 4.NF.C.6, 4.NF.C.5, 4.MD.A.2	G2 M7, L7, L8; G3 M2, L15, L16 Foundational Standards: 2.MD, 3.MD, 2.OA.A.1, 2.NBT.B.5, 3.NBT.A.2	<ul style="list-style-type: none"> White board or paper
Module 7	Solve word problems related to time intervals, grams, and liters	4.MD.A.1, 4.MD.A.2	G3 M2, L4, L5, L11, L15, L18 Foundational Standards: 2.MD.C.7, 3.MD.A.1, 3.MD.A.2, 3.NBT.A2	<ul style="list-style-type: none"> White board or paper

Updated 2/22/2021