



## Accelerate Math Grade 8 Eureka

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 8 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 8 - Eureka Math

Session Accelerates to these Grade-Level Lessons	Session Focus Topic:	Connected Grade-Level Standards.	Source Content and Foundational Standards	Resources
<a href="#">Module 4 Lessons 3-7</a>	finding and evaluating equivalent expressions and solving equations	8.EE.C.7a, 8.EE.C.7b	G7 M2 and M3 7.NS.A.3, 7.EE.B.4, 7.EE.A.1, 7.EE.A.2	<ul style="list-style-type: none"> <li>• <a href="#">Desmos Activity Session 1</a></li> <li>• <a href="#">Desmos Activity Session 2</a></li> <li>• Whiteboard or paper</li> </ul>
<a href="#">Module 4 Lesson 10-11</a>	identifying proportional relationships with and without context in lists, tables, and graphs	8.EE.B.5	G7 M1 7.RP.A.2	<ul style="list-style-type: none"> <li>• <a href="#">Desmos Activity Session 1</a></li> <li>• <a href="#">Desmos Activity Session 2</a></li> <li>• Whiteboard or paper</li> </ul>
<a href="#">Module 4 Lessons 15-17 &amp; 22</a>	understanding and identifying scale drawings extending this understanding to identify unit rate as a scale factor	8.EE.B.5, 8.EE.B.6	G7 M1 and M2 7.G.A.1, 7.NS.A.1 (integers)	<ul style="list-style-type: none"> <li>• <a href="#">Desmos Activity Session 1</a></li> <li>• <a href="#">Desmos Activity Session 2</a></li> <li>• Whiteboard or paper</li> </ul>
<a href="#">Module 4 Lessons 24-26</a>	solving equations and building understanding of equality	8.EE.C.8a, 8.EE.C.8b, 8.EE.C.8c	G6 M4 and G7 M3 6.EE.B.5, 7.EE.B.3, 7.EE.B.4	<ul style="list-style-type: none"> <li>• <a href="#">Desmos Activity Session 1</a></li> <li>• <a href="#">Desmos Activity Session 2</a></li> <li>• White board or paper</li> </ul>
<a href="#">Module 4 Lessons 27-29</a>	graphing ordered pairs finding ordered pairs that make a linear equation true	8.EE.C.8a, 8.EE.C.8b, 8.EE.C.8c	G6 M3 and G8 M4 6.NS.C.6, 6.NS.C.8, 8.EE.B.5	<ul style="list-style-type: none"> <li>• <a href="#">Desmos Activity Session 1</a></li> <li>• <a href="#">Desmos Activity Session 2</a></li> <li>• White board or paper</li> </ul>



Session Accelerates to these Grade-Level Lessons	Session Focus Topic:	Connected Grade-Level Standards.	Source Content and Foundational Standards	Resources
<a href="#">Module 5 lessons 2-5</a>	finding constant of proportionality and representing proportional relationships with equations and graphs	8.F.A.1, 8.F.A.3	G7 M1 7.RP.A.2	<ul style="list-style-type: none"> <li>White board or paper</li> </ul>
<a href="#">Module 5 Lessons 6-8</a>	creating proportional tables and graphs and comparing fractions	8.F.B.2, 8.F.B.3, 8.F.B.4	G7 M4 and G4 M5 7.RP.A.2, 4.NF.A.2, 4.NF.A.1	<ul style="list-style-type: none"> <li>White board or paper</li> </ul>
<a href="#">Module 5 Lessons 9-11</a>	calculating exponents, area and volume	8.G.C.9, 7.G.B.6	G6 M4, G8 M1, and G7 M3 6.EE.A.1 8.EE.A.1, 7.G.B.6	<ul style="list-style-type: none"> <li>White board or paper</li> </ul>
<a href="#">Module 6 Lessons 1-5</a>	interpret slope and compare two different proportional relationships	8.F.B.4, 8.F.B.5	G8 M4 8.EE.B.5, 8.EE.B.6	<ul style="list-style-type: none"> <li>White board or paper</li> </ul>
<a href="#">Module 6 Lessons 6-9</a>	plotting points and analyzing trends	8.SP.A.1, 8.SP.A.2	G6 M3 and G5 M6 5.G.A.2, 6.NS.C.8	<ul style="list-style-type: none"> <li>White board or paper</li> </ul>
<a href="#">Module 6 Lessons 10-14</a>	finding and interpreting slope and relative frequency with histograms	8.F.B.4, 8.SP.A.1, 8.SP.A.2, 8.SP.A.3, 8.SP.A.4	G8 M4 and G6 M6 8.EE.B.6, 6.SP.A.2, 6.SP.B.4, 6.SP.B.5	<ul style="list-style-type: none"> <li>White board or paper</li> </ul>



Session Accelerates to these Grade-Level Lessons	Session Focus Topic:	Connected Grade-Level Standards.	Source Content and Foundational Standards	Resources
<a href="#">Module 7 Lessons 1-5</a>	<p>calculating exponents</p> <p>using the pythagorean theorem to solve lengths of triangles</p>	8.NS.A.2, 8.G.B.7, 8.EE.A.2	G8 M1 and G8 M2 8.EE.A.1, 8.G.B.6, 8.G.B.7, 8.G.B.8	<ul style="list-style-type: none"> <li>White board or paper</li> </ul>
<a href="#">Module 7 Lessons 6 - 13</a>	<p>converting fractions to decimals</p> <p>comparing decimals</p>	8.EE.A.2 8.NS.A.1 8.NS.A.2	G7 M2 and G5 M1 7.NS.A.2 5.NBT.A.3	<ul style="list-style-type: none"> <li>White board or paper</li> </ul>
<a href="#">Module 7 Lessons 15- 18</a>	<p>recall Pythagorean theorem</p> <p>finding square roots</p>	8.G.B.6 8.G.B.7 8.G.B.7	G8 M7 8.G.B.7, 8.NS.A.2, 8.EE.A.2, 8.NS.A.2	<ul style="list-style-type: none"> <li>Session 1: <a href="#">Desmos Pythagorean Theorem Activity</a></li> <li>Session 2: <a href="#">Desmos Square Dance Activity</a></li> <li>White board or paper</li> </ul>
<a href="#">Module 7 Lessons 19-21</a>	<p>find the volume of cylinder and cone</p> <p>find the volume of spheres</p>	8.G.B.7 and 8.G.C.9	G8 M5 8.G.C.9	<ul style="list-style-type: none"> <li>White board or paper</li> </ul>

Updated 2/23/2021