Exemplars® K–12
We Set the Standards!

Standards-Based Assessment + Instruction

PROBLEM SOLVING FOR THE 21ST CENTURY

BUILT FOR THE NYS NEXT GENERATION LEARNING STANDARDS

Amplify Demos Math New York

Grade 7

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1. Login to Exemplars Library: library.exemplars.com with your school e-mail and password

2. Select the Grade 7 Unit you are working on:

- Unit 1: Scale Drawings
- Unit 2: Introducing Proportional Relationships
- Unit 3: Measuring Circles
- Unit 4: Proportional Relationships and Percentages
- Unit 5: Operations With Positive and Negative Numbers
- Unit 6: Expressions, Equations, and Inequalities
- Unit 7: Angles, Triangles, and Prisms
- Unit 8: Probability and Sampling

3. Once you are in the correct Unit, click on the task name, which is directly linked to the Exemplars Library where you can download a printer-friendly PDF and lesson planning sheet for the corresponding task.

** Note: You must be logged into the Exemplars Library to access the tasks in this document.

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Amplify Demos Math NY: Grade 7
Unit 1: Scale Drawings

Sub-Unit	NYS Next Gen. Standard	Exemplars Tasks
Scaled Copies	NY-7.G.A.1	Stained Glass Rectangular Prisms and Ratios (more accessible version) The L.L. Bean Bootmobile M&M's Show Their Patriotism (Summative Assessment)
Scale Drawings	NY-7.G.A.1 NY-7.G.B.6	Olympic Trophy Design The Great Pyramids (Summative Assessment)

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Amplify Demos Math NY: Grade 7

Unit 2: Introducing Proportional Relationships

Sub-Unit	NYS Next Gen. Standard	Exemplars Tasks
Proportional Relationships in Tables	NY-7.RP.A.2	The Last Day of School
Proportional Relationships in Equations	NY-7.RP.A.2	The Foosball Problem Samantha's Smoothies YouTube Star
Proportional Relationships in Graphs	NY-7.RP.A.2	Solar Cars Not So Fast Mile Markers (Summative Assessment)
Using Proportional Relationships	NY-7.RP.A.2	Golden Ratio Assignment Dripping Faucet (Summative Assessment)

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Amplify Demos Math NY: Grade 7
Unit 3: Measuring Circles

Sub-Unit	NYS Next Gen. Standard	Exemplars Tasks
Circumference of a Circle	NY-7.G.B.4	Can You Find a Relationship?
Proportional Relationships in Equations	NY-7.G.B.4	Getting Some Exercise The Pizza Shop Play Area Fund What's Left? Billy's Goat (Summative Assessment)

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Unit 4: Proportional Relationships and Percentages

Sub-Unit	NYS Next Gen. Standard	Exemplars Tasks
Percentages as Proportional Relationships	NY-7.RP.A.1 NY-7.RP.A.3	Raking It In Dragon Races Dot Patterns Going Airborne (Summative Assessment)
Applying Percentages	NY-7.RP.A.3	The Sweet Spot Average American 3.14159 We Think Math is Really Fine (Summative Assessment)

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Unit 5: Operations with Positive and Negative Numbers

Sub-Unit	NYS Next Gen. Standard	Exemplars Tasks
Adding and Subtracting Rational Numbers	NY-7.NS.A.1	Benji's Accounting Get Debt-Free (Summative Assessment)
Multiplying and Dividing Rational Numbers	NY-7.NS.A.3	Candy Dilemma Greener Grass
Applying Operations	NY-7.NS.A.3 NY-7.EE.B.3	Fargo Heat Wave Gumdrops Sunny Savings Help With Our Next School Store Order (Summative Assessment

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Unit 6: Expressions, Equations, and Inequalities

Sub-Unit	NYS Next Gen. Standard	Exemplars Tasks
Equations and Tape Diagrams	NY-7.EE.B.3	Movie Ticket Dilemma
Solving Equations	NY-7.EE.B.3	A Mid-Sized Paper Company in Northeastern Pennsylvania Building Block Dilemma The Clean Room Farmer's Market John's Field Steakhouse Tips (Summative Assessment)
Inequalities	NY-7.EE.B.4	Concert Ticket Purchase

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Amplify Demos Math NY: Grade 7
Unit 7: Angles, Triangles, and Prisms

Sub-Unit	NYS Next Gen. Standard	Exemplars Tasks
Angle Relationships	NY-7.G.B.5	Mike's Mega Mart's Intersection Mystery Angles (Summative Assessment)
Drawing Triangles	NY-7.G.A.2	
Solid Geometry	NY-7.G.B.6	7th Grade Service Project Rectangular Prisms and Ratios

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Amplify Demos Math NY: Grade 7
Unit 8: Probability and Sampling

Sub-Unit	NYS Next Gen. Standard	Exemplars Tasks
Probability	NY-7.SP.C.8	Probability of Passing Colorful Combinations The Carnival Cupid Gets an Early Start Fair Game Dilemma (Summative Assessment)
Sampling	NY-7.SP.A.3	Beaded Math Game Practice