

PROBLEM SOLVING
FOR THE | **21ST CENTURY**

BUILT FOR THE
COMMON CORE

Eureka Math² Alignments
Seventh Grade

1. Login to Exemplars Library: library.exemplars.com with your school e-mail and password
2. Select the Seventh Grade Unit you are working on:
 - Module 1: [Ratios and Proportional Relationships](#)
 - Module 2: [Operations with Rational Numbers](#)
 - Module 3: [Expressions, Equations, and Inequalities](#)
 - Module 4: [Geometry](#)
 - Module 5: [Percent and Application of Percent](#)
 - Module 6: [Probability and Populations](#)
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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Module 1: Ratios and Proportional Relationships

Topics	Common Core State Standard	Exemplars Tasks
Understanding Proportional Relationships	7.RP.A.1 7.RP.A.2 7.RP.A.2.a 7.RP.A.2.b 7.RP.A.2.c 7.RP.A.2.d	Samantha's Smoothies (7.RP.A.2)
Working with Proportional Relationships	7.RP.A.2.b 7.RP.A.2.c 7.RP.A.2.d 7.RP.A.3	The Last Day of School (7.RP.A.2)
Scale Drawings and Proportional Relationships	7.RP.A.2.a 7.RP.A.2.b 7.GA.1	

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Module 2: Operations with Rational Numbers

Topics	Common Core State Standard	Exemplars Tasks
Adding Rational Numbers	7.NS.A.1.a 7.NS.A.1.b 7.NS.A.1.d	Benji's Accounting (7.NS.A.1)
Subtracting Rational Numbers	7.NS.A.1.a 7.NS.A.1.b 7.NS.A.1.c 7.NS.A.1.d	
Multiplying Rational Numbers	7.NS.A.2.a 7.NS.A.2.c	Fargo Heat Wave (7.NS.A.3)
Dividing Rational Numbers	7.NS.A.2.b 7.NS.A.2.c 7.NS.A.2.d	
Numerical Expressions with Rational Numbers	7.NS.A.1.c 7.NS.A.3 7.EE.B.3	

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Module 3: Expressions, Equations, and Inequalities

Topics	Common Core State Standard	Exemplars Tasks
Equivalent Expressions	7.EE.A.1 7.EE.A.2	Movie Ticket Dilemma (7.EE.B.3)
Unknown Angle Measurements	7.G.B.5 7.EE.A.2 7.EE.B.3 7.EE.B.4.a	
Solving Equations	7.EE.B.3 7.EE.B.4 7.EE.B.4.a	John's Field (7.EE.B.4)
Inequalities	7.EE.B.4 7.EE.B.4.b	

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Module 4: Geometry

Topics	Common Core State Standard	Exemplars Tasks
Constructing Geometric Figures	7.G.A.2	
Constructing Triangles	7.G.A.2	The Pizza Shop (7.G.B.4)
Circumference and Area of Circles	7.G.A.2 7.G.B.4 7.G.B.6	7th Grade Service Project (7.G.B.6)
Area and Surface Area	7.G.B.6	
Cross Sections and Volume	7.G.A.3 7.G.B.6	

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Module 5: Percent and Application of Percent

Topics	Common Core State Standard	Exemplars Tasks
Proportion and Percent	7.G.A.1 7.RP.A.2.c 7.RP.A.3	
Part of 100	7.RP.A.3	Dot Patterns (7.RP.A.3)
More or Less Than 100%	7.RP.A.3 7.EE.A.2	The Sweet Spot (7.RP.A.3)
Applications of Percent	7.RP.A.3 7.EE.A.2	
Problems Involving Percent	7.RP.A.3 7.EE.A.2	

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Module 6: Probability and Populations

Topics	Common Core State Standard	Exemplars Tasks
Calculating and Interpreting Probabilities	7.SP.C.5 7.SP.C.6 7.SP.C.7.a 7.SP.C.8.a 7.SP.C.8.b	
Estimating Probabilities	7.SP.C.6 7.SP.C.7 7.SP.C.7.a 7.SP.C.7.b 7.SP.C.8.c	Bull's-Eye (7.SP.C.7)
Random Sampling	7.SP.A.1 7.SP.A.2	Cupid Gets an Early Start (7.SP.C.8)
Comparing Populations	7.SP.B.3 7.SP.B.4	