PROBLEM SOLVING

FOR THE **21ST CENTURY**

BUILT FOR THE
COMMON CORE

Eureka Math² Alignments

Sixth Grade

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

2. Select the Sixth Grade Unit you are working on:
- Module 1: Ratios, Rates, and Percents
- Module 2: Operations with Fractions and Multi-Digit Numbers
- Module 3: Rational Numbers
- Module 4: Expressions and One-Step Equations
- Module 5: Area, Surface Area, and Volume
- Module 6: Statistics

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._**

Eureka Math²: Sixth Grade

Module 1: Ratios, Rates, and Percents

Topics	Common Core State Standard	Exemplars Tasks
Ratios	6.RP.A.1 6.RP.A.3	
Collections of Equivalent Ratios	6.RP.A.1 6.RP.A.3 6.RP.A.3.a	
Comparing Ratio Relationships	6.RP.A.2 6.RP.A.3.a	Cookie Caper (6.RP.A.3.b)
Rates	6.RP.A.2 6.RP.A.3.a 6.RP.A.3.b 6.RP.A.3.d	Height Dilemma (6.RP.A.3.d)
Percents	6.RP.A.3.b 6.RP.A.3.c 6.RP.A.3.d	

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Module 2: Operations with Fractions and Multi-Digit Numbers

Topics	Common Core State Standard	Exemplars Tasks
Factors, Multiples, and Divisibility	6.NS.B.4	
Dividing Fractions	6.NS.A.1	
Dividing Fractions Fluently	6.NS.A.1	Game Saving (6.NS.A.1)
Decimal Addition, Subtraction, and Multiplication	6.NS.B.3	Moving to the Big Apple (6.NS.B.3)
Division of Multi-Digit Numbers	6.NS.B.2	
Decimal Division	6.NS.B.3	

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Module 3: Rational Numbers

Topics	Common Core State Standard	Exemplars Tasks
Integers and Rational Numbers	6.NS.C.5 6.NS.C.6.a 6.NS.C.6.c	
Ordering and Magnitude	6.NS.C.7 6.NS.C.7.a 6.NS.C.7.b 6.NS.C.7.c 6.NS.C.7.d	Cafe in XY City (6.NS.C.8) Counting Steps (6.NS.C.8)
The Coordinate Plane	6.NS.C.6.b 6.NS.C.6.c 6.NS.C.8	*The only instructional task addressing integers involves median, which isn't taught until Module 6, so both of these tasks are centered around the coordinate plane
Solving Problems in the Coordinate Plane	6.NS.C.6.c 6.NS.C.8	

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Module 4: Expressions and One-Step Equations

Topics	Common Core State Standard	Exemplars Tasks
Numerical Expressions	6.EE.A.1	
Expressions and Real-World Problems	6.EE.A.2.a 6.EE.A.2.b 6.EE.A.2.c 6.EE.B.6	Frank and Stein (6.EE.A.3)
Equivalent Expressions Using the Properties of Operations	6.EE.A.2.c 6.EE.A.3 6.EE.A.4 6.EE.B.6 6.NS.B.4	
Equations & Inequalities	6.EE.A.2.c 6.EE.B.5 6.EE.B.7 6.EE.B.8	Going Batty (6.EE.C.9)
Relating Variables by Using Tables, Graphs, and Equations	6.RP.A.3 6.EE.C.9	

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Module 5: Area, Surface Area, and Volume

Topics	Common Core State Standard	Exemplars Tasks
Areas of Polygons	6.EE.A.2.c 6.EE.A.3 6.EE.B.7 6.G.A.1	
Problem Solving with Area	6.NS.C.8 6.G.A.1 6.G.A.3 6.EE.A.3 6.EE.A.4 6.RP.A.3.b	Garden Contest (6.G.A.1)
Nets and Surface Area	6.G.A.4 6.EE.A.2.c 6.EE.A.4 6.RP.A.3.b	Cordwood Dilemma (6.G.A.2)
Volumes of Right Rectangular Prisms	6.G.A.2 6.G.A.4 6.EE.A.2.c 6.EE.A.4	

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Module 6: Statistics

Topics	Common Core State Standard	Exemplars Tasks
Understanding Distributions	6.SP.A.1 6.SP.A.2 6.SP.B.4 6.SP.B.5.a 6.SP.B.5.b	
Mean and Median Absolute Deviation	6.SP.A.2 6.SP.A.3 6.SP.B.5.c	More Screen Time (6.SP.B.5)
Median, Interquartile Range, and Box Plots	6.SP.A.2 6.SP.A.3 6.SP.B.4 6.SP.B.5.c	How Cold Would It Be? (6.SP.B.5)
Answering Statistical Questions by Analyzing Data	6.SP.A.1 6.SP.A.2 6.SP.A.3 6.SP.B.4 6.SP.B.5.b 6.SP.B.5.c 6.SP.B.5.d	