

PROBLEM SOLVING
FOR THE **21ST CENTURY**

BUILT FOR THE
COMMON CORE

Eureka Math² Alignments
Fourth Grade

1. Login to Exemplars Library: library.exemplars.com with your school e-mail and password
2. Select the Fourth Grade Unit you are working on:
 - Module 1: [Place Value Concepts for Addition and Subtraction](#)
 - Module 2: [Place Value Concepts Through Metric Measurement](#)
 - Module 3: [Multiplication and Division of Multi-Digit Numbers](#)
 - Module 4: [Foundations for Fraction Operations](#)
 - Module 5: [Place Value Concepts for Decimal Fractions](#)
 - Module 6: [Angle Measurements and Plane Figures](#)
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: Place Value Concepts for Addition and Subtraction

Topics	Common Core State Standard	Exemplars Tasks
Multiplication as Multiplicative Comparison	4.OA.A.1 4.OA.A.2	
Place Value and Comparison within 1,000,000	4.NBT.A.1 4.NBT.A.2 4.OA.A.1	A Million Pop Tops (4.NBT.A.2)
Rounding Multi-digit Whole Numbers	4.NBT.A.2 4.NBT.A.3 4.OA.A.3	The Botanical Gardens (4.NBT.A.3)
Multi-Digit Whole Number Addition and Subtraction	4.OA.A.3 4.NBT.B.4	
Metric Measurement Conversion Tables	4.MD.A.1 4.MD.A.2	

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Module 2: Place Value Concepts for Multiplication and Division

Topics	Common Core State Standard	Exemplars Tasks
Compose and Decompose Units of Ten	4.NBT.B.5 4.NBT.B.6 4.MD.A.3	
Multiplication of Tens and Ones by One-Digit Numbers	4.NBT.B.5 4.MD.A.3 4.OA.A.2	
Division of Tens and Ones by One-Digit Numbers	4.NBT.B.6	Selling Sport Posters (4.NBT.B.5)
Problem Solving with Measurement	4.MD.A.1 4.MD.A.2 4.MD.A.3 4.OA.A.2	Water, Water, Water (4.MD.A.2)
Factors and Multiples	4.OA.B.4 4.OA.C.5	

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Module 3: Multiplication and Division of Multi-Digit Numbers

Topics	Common Core State Standard	Exemplars Tasks
Multiplication and Division of Multiples of Tens, Hundreds, and Thousands	4.NBT.B.5 4.NBT.B.6	
Division of Thousands, Hundreds, Tens, and Ones	4.NBT.B.6	
Multiplication of up to Four-Digit Numbers by One-Digit Numbers	4.NBT.B.5	Jigsaw Puzzles (4.NBT.B.5)
Multiplication of Two-Digit Numbers by Two-Digit Numbers	4.NBT.B.5	Grandfather's Wallet (4.NBT.B.6)
Problem Solving with Measurement	4.MD.A.1 4.MD.A.2	
Remainders, Estimating, and Problem Solving	4.OA.A.3 4.NBT.B.6	

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Module 4: Foundations for Fraction Operations

Topics	Common Core State Standard	Exemplars Tasks
Fraction Decomposition and Equivalence	4.NF.B.3a 4.NF.B.3b	
Equivalent Fractions	4.NF.A.1 4.NF.B.3a 4.NF.B.3b	
Compare Fractions	4.NF.A.2	A New Rug (4.NF.A.2)
Add and Subtract Fractions	4.NF.B.3a 4.NF.B.3b 4.NF.B.3d 4.MD.A.2	Cutting Strong String (4.NF.B.3d)
Add and Subtract Mixed Numbers	4.NF.B.3c 4.NF.B.3d 4.MD.B.4	
Repeated Addition of Fractions as Multiplication	4.NF.B.4b 4.NF.B.4c 4.MD.A.2	

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Module 5: Place Value Concepts for Decimal Fractions

Topics	Common Core State Standard	Exemplars Tasks
Exploration of Tenths	4.NF.C.6	
Tenths and Hundredths	4.NF.C.5 4.NF.C.6	A New Quilt for Victoria (4.NF.C.5)
Comparison of Decimal Numbers	4.NF.C.7	Eating Pizza (4.NF.C.7)
Addition of Tenths and Hundredths	4.NF.C.5 4.MD.A.2	

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Module 6: Angle Measurements and Plane Figures

Topics	Common Core State Standard	Exemplars Tasks
Lines and Angles	4.G.A.1	
Angle Measurements	4.MD.C.5 4.MD.C.5a 4.MD.C.5b 4.MD.C.6 4.G.A.1	Finding the Angles (4.MD.C.7)
Determine Unknown Angle Measures	4.MD.C.7	Gumdrop Shapes (4.G.A.2)
Two-Dimensional Figures and Symmetry	4.G.A.1 4.G.A.2 4.G.A.3	