

Unit Plan by Prioritized Standards

Content Area	Mathematics
Grade/Course	4th Grade
Unit of Study	Unit 6 Module 7, Engage NY
Duration of Unit	7 Days

Insert priority standards below (include code). **CIRCLE or Highlight** the **SKILLS** that students need to be able to do and **UNDERLINE** the **CONCEPTS** that students need to know. **(address “supporting” standards in daily lesson plans)**

4.MD.2 **Use** the four operations to **solve** word problems involving distances, intervals of time, liquid volumes, masses of objects, and money, including problems involving simple fractions or decimals, and problems that require expressing measurements given in a larger unit in terms of a smaller unit. **Represent** measurement quantities using diagrams such as number line diagrams that feature a measurement scale.

4.OA.2 **Multiply or divide** to solve word problems involving multiplicative comparisons, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem, distinguishing multiplicative comparison from additive comparison.

4.OA.3 **Solve** multistep word problems posed with whole numbers and having whole-number answers using the four operations including problems in which remainders must be interpreted. **Represent** these problems using equations with a letter standing for the unknown quantity. **Assess** the reasonableness of answers using mental computation and estimation strategies including rounding.

Skills (what must be able to do)	Concepts (what students need to know)	DOK Level / Bloom's
Solve Use Represent Multiply Divide Solve Represent Assess Use	Four operations, word problems Measurement Quantities, distances liquid volumes, Mass of objects Decimals, diagrams Multiplicative comparison Additive comparison Equations, reasonableness, remainders Unknown computation, Mental computation, estimation strategies	Understand-1 Apply-1 Apply-2 Understand-1 Evaluate-3 Analyze-3

Step 5: Determine BIG Ideas (enduring understandings students will remember long after the unit of study)

Step 6: Write Essential Questions (these guide instruction and assessment for all tasks. The big ideas are answers to the essential questions)

The student will be able to solve word problems in metric measurement using the four operations with fractions and decimals on measurement scales and represent the problem on a measurement scale.

Students will solve use drawings or equations to solve for unknown in word problems requiring multiplication and/or division..

How can I use the four operations to solve word problems involving measurement with decimals and whole numbers?

How can I solve multi-step word problems using the four operations?

How can I assess the reasonableness of my answers?

How can I solve multiplication and division problems using multiplicative comparisons?

Students will multiply or divide to solve word problems by using drawings or writing equations with a symbol for a missing number.

Students will be able to solve multi-step word problems with remainders and assess the reasonableness of their answers.

Students will assess the reasonableness of their answers using mental computation and estimation.

Essential Unit Vocabulary

Cup, customary system of measurement, gallon, metric system of measurement, metric unit, ounce, pint, pound, quart.

Next step, create assessments and engaging learning experiences