Unit 2c-Use Operations With Whole Numbers To Solve Problems

Content Area: **Mathematics**
Course(s): **Math 3**
Time Period: **Marking Period 2**
Length: **MP2 Topic 11 11-1 to 11-4**
Status: **Published**

Essential Questions

- What are ways to solve two step problems?

Big Ideas

- **Two-Step Problems-** Students use all operations to solve 2 step word problems. Students use equations and bar diagrams to represent the problems, then they solve the equations, and finally, they assess the reasonableness of their answers using mental computations or estimation.

Diversity Integration

Objective: Students will be able to create number stories involving cultural foods.

Description of Activity: Students will be able to pick a food item from one of three countries. Then, students will create a number story involving that food item and an operation of their choice.

CSDT Technology Connection

8.1.8.DA.5: Test, analyze, and refine computational models. Multiple step word problems with algorithm.

Activity:

Students will use different algorithms to solve problems

Enduring Understandings

Operations and Algebraic Thinking

3.OA.D (M) Solve problems involving the four operations, and identify and explain patterns in arithmetic

3.OA.D.8 Solve two -step word problems using the four operations. 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

3.OA.C.7 Fluently multiply and divide within 100 using strategies such as the relationship between multiplication and division (knowing that 8 x 4 = 40, one knows 40 divided by 5 = 8) for properties of operation.

Numbers & Operations In Base Ten

3.NBT.A.2 Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction.

Mathematical Practices Focus

Critique the reasoning of others by asking questions, identifying mistakes, and providing suggestions for improvement