

**Curriculum Unit Title**

Fostering Students to Reason Mathematically...

**Author**

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**KEY LEARNING, ENDURING UNDERSTANDING, ETC.**

This unit will help students become better problem solvers when working with addition and subtraction story problems.

**ESSENTIAL QUESTION(S) for the UNIT**

- How can numbers be composed and decomposed into place value parts to help us add and subtract multi-digit numbers efficiently?
- How can I determine whether the operation is addition or subtraction if it is a story problem?
- What strategies are most efficient for solving this problem?

**CONCEPT A**

part-part-whole reasoning

**CONCEPT B**

addition story problems

**CONCEPT C**

subtraction story problems

**ESSENTIAL QUESTIONS A**

Are addition and subtraction related? How?

Can the same situation be represented by addition and subtraction?

**ESSENTIAL QUESTIONS B**

How could we use part-part-whole to help us solve these two problems?

Can the problems be represented in different ways?

**ESSENTIAL QUESTIONS C**

Can the same situation be represented by either addition or subtraction?

**VOCABULARY A**

addition  
subtraction  
related  
same

**VOCABULARY A**

addition  
commutative  
part-part-whole

**VOCABULARY A**

subtraction  
unknown value  
missing part  
operation

**ADDITIONAL INFORMATION/MATERIAL/TEXT/FILM/RESOURCES**

Each student will need a copy of the math journal created in the unit.

Copy of Common Core Standards for second grade