Base national subtraction relations will read, write and compare haves up to 1,000. They will also court, skip court solve addition and subtraction related? How made transfer sets be helpful when solving a profit. How made transfer sets be helpful when solving a profit. How made transfer sets be helpful when solving a profit. How made transfer sets be helpful when solving a profit. How made transfer sets be helpful when solving a profit. How made transfer sets be helpful when solving a profit. How made transfer sets be helpful when solving a profit. How does your made transfer sets be helpful when solving a profit. How made transfer sets be helpful when solving a profit. How made transfer sets be helpful when solving a profit. How does your made transfer sets be helpful when solving a profit. How does your made transfer sets be helpful when solving a profit. How made transfer sets be helpful when solving a profit. How made transfer sets be helpful when solving a profit. How does your made transfer sets be helpful when solving a profit. How does your made transfer sets be helpful when solving a profit. How made transfer sets be helpful when solving a profit. Note: Applied transfer sets be helpful when solving a profit the solving when a solving the set be does a set and by the profit the solving the set be does a set and by the profit the solving the set be does and transfer set be does and transfer set be does and transfer set be does and the set be does and th	LE OF UNIT: Add and subtract with DATE PRESENTED:		
Cardinality CC Algebraic Thinking OA Operations in Base Ten Operations Moter Metr Netr Net	nbers up to 1,000. They will also count,	skip count	 How are addition and subtraction related? How might different strategies be helpful when solving a prob How does your model represent your mathematical thinking? How does a digits position affect its value?
ANDARDS: Mathematical Practices grades K-12 1. Make sense of source viable of strategically and quantitatively 3. Construct viable of strategically of the source viable of strategically of the source viable of source vi	Counting and Coperations Algebraic Think	and Number and King OA Operations in Base Ten NBT 2.NBT.1, 2, 3, 4	Number and perations – Fractions NF Measurement and Data MD Geometry G Image: Image of the state of the
subtraction. 2.0A.1 Applied Learning Standards: problem solving communication critical thinking research reflection/ evaluation DURING UNDERSTANDING: the end of this unit students will be able to read, write and compare numbers up to 1,000 as well as be able to fluently solve addition and otheraction problems, including word problems. ROCK KNOWLEDGE: • Count fluently to 120 • Read, write, recognize, and compare numbers through 120. • Count by numbers, such as multiples of 10. • Add numbers within 100 UDENT OBJECTIVES, SKILLS and/or NEW KNOWLEDGE:	1. Make sense of problems and persevere in solving them 3. Construct v arguments critique the reasoning 2. Reason abstractly 4. Model with	able 5. Use appropriate and tools strategically of others 6. Attend to	7. Look for and 8. Look for and make use of express regularity structure in repeated
 he end of this unit students will be able to read, write and compare numbers up to 1,000 as well as be able to fluently solve addition and traction problems, including word problems. OR KNOWLEDGE: Count fluently to 120 Read, write, recognize, and compare numbers through 120. Count by numbers, such as multiples of 10. Add numbers within 100 JDENT OBJECTIVES, SKILLS and/or NEW KNOWLEDGE: 	subtraction. 2.OA.1 Applied Learning Standards:	-	
 Count by numbers, such as multiples of 10. Add numbers within 100 UDENT OBJECTIVES, SKILLS and/or NEW KNOWLEDGE:	he end of this unit students will be able traction problems, including word proble IOR KNOWLEDGE:		nbers up to 1,000 as well as be able to fluently solve addition and
UDENT OBJECTIVES, SKILLS and/or NEW KNOWLEDGE:			
 Some addition and subtraction problems may require two-steps to solve. Sometimes the answer to one problem is needed to find the answer to another problem or question. 	Some addition and subtraction p	roblems may require two-steps	; to solve. Sometimes the answer to one problem is needed to find

- Students' modeling of story problems helps them figure out what operation is involved in a problem, regardless of the size of the numbers.
- Estimating is an important tool to determine the reasonableness of an answer.

and pictorially to solve all types of addition and subtraction situations.

• Two digit numbers can be broken apart using tens and ones and added and subtracted in different ways.

- 10 ones can be regrouped for 1 ten.
- 10 tens can be regrouped for one 100.
- The position of digits in numbers determines their value.
- Numbers can be used to tell how many.
- Three-digit numbers decompose into units of hundreds, tens and ones.
- The position of digits in numbers determines their value. •
- Place value can be used to compare two or more quantities. .

SUGGESTED PROBLEMS:

- 2. OA.1 Basic
- http://www.illustrativemathematics.org/standards/k8 (Pencil & Sticker)

2. OA.1 Advanced

- 2. OA.2 Fluently add and subtract within 20 using mental strategies. By end of Grade 2; know from memory all sums of two one-digit numbers. Use strategies such as (from grade 1):
 - counting on; .
 - making ten (e.g., 8 + 6 = 8 + 2 + 4 = 10 + 4 = 14); •
 - decomposing a number leading to a ten (e.g., 13 4 = 13 3 1 = 10 1 = 9); •
 - using the relationship between addition and subtraction (e.g.,
 - knowing that 8 + 4 = 12, one knows 12 8 = 4);

6.

7.

9.

creating equivalent but easier or known sums (e.g., adding 6 +7 by creating the known equivalent 6 + 6 + 1 = 12 + 1 = 13).

ACTIVITIES, PRODUCTS, PERFORMANCE, and ASSESSMENTS:

- Application to real world 1. problems
- Creating charts/collecting 8. 2. data
- 3. Collaboration -

4.

5.

- interpersonal
- Interviews Journals 10. KWL charts

Graphing

- - 11. Mathematical Practices
- Conferencing
- 12. Modeling ★
- Exhibits

Graphic organizers

- 13. Oral presentations
- 14. Problem/Performance based/common tasks 15. Real-life applications involving graphing
- 16. Represent numbers 17. Rubrics/checklists
 - (mathematical practice, modeling)

18. Technology

- 19. Summarizing and notetaking
- 20. Tests and guizzes 21. Writing genres
 - Arguments/ opinion Informative

HIGHER ORDER THINKING SKILLS: Web's Depth of Knowledge 2 – 4 or Bloom's Taxonomy

Web's Depth of Knowledge

- skill/conceptual understanding •
- strategic reasoning
- extended reasoning

apply

Bloom's Taxonomy

- analyze
- synthesize/create
- evaluate

ADDITIONAL RESOURCES: see curriculum for specifics

- 2.OA.1 enVisions SE/TE: Lessons 1-1, 1-2, 1-3, 1-4, 1-5, 1-6, 1-7, 2-1, 2-2, 2-3, 2-4, 2-5, 2-7, 3-1, 3-2, 3-3, 3-4, 3-5, 3-6, 4-4, 8-9, 9-9
- 2.NBT.1 enVisions SE/TE: Lessons 5-1, 5-2 .
- 2.NBT.1.a enVisions SE/TE: Lessons 10-1,10-3
- 2.NBT.1.b enVisions SE/TE: Lessons 10-1,10-2, 10-3
- 2.NBT.2 enVisions SE/TE: Lessons 5-4, 6-6, 10-1, 10-5, 10-6, 10-9 •
- 2.NBT.3 enVisions SE/TE: Lessons 5-1, 5-2, 10-2, 10-3 •
- 2.NBT.4 enVisions SE/TE: Lessons 5-3,10-7, 10-8, 10-9

VOCABULARY

ΟΑ

- Addend
- Addition sentence Area model
- Array
- Composing
- Decomposing
- Difference
- Doubles
- Equals
- NBT
- After ٠
- Before ٠
- Between ٠
- Equal to •

- Odd
- Part
- Product
- Regroup
- Strategy
- Subtraction sentence
- Sum
- - Number word ٠
 - Pattern .
- Greatest Least ٠ Less than •

Greater than

Even

Factor

Fewer

• Minus

 More Multiplication

٠

٠

Fact families

Mental math

Minuend

LESSON PLAN for UNIT _____

LESSONS

- Lesson # 1 Summary:
- Lesson #2 Summary:
- Lesson #3 Summary:

OBJECTIVES for LESSON # _____

- Materials/Resources:
- Procedures:
 - Lead --in
 - Step by step
 - Closure
- Instructional strategies: see curriculum introduction
- Assessments: see curriculum introduction

 Formative

o Summative