

Homey lus

Descempener Invineras

Título/ Enfoque: Componer

Separar el

Formar diez

12-3=9

8+3=

KESTA

blogues

9+3-12

d'Como se relacionan

Contando hacia adelavite

E S Emplezo en

- Sumos

2006

Contando hacia otrassumo



WIZE WO

forman 10. mas. Esp Forma

Dartos relacionados

Modelo:

es 10. Enthorices resto más - Munus. K1-4=10

Interactiva Sección

La investigación

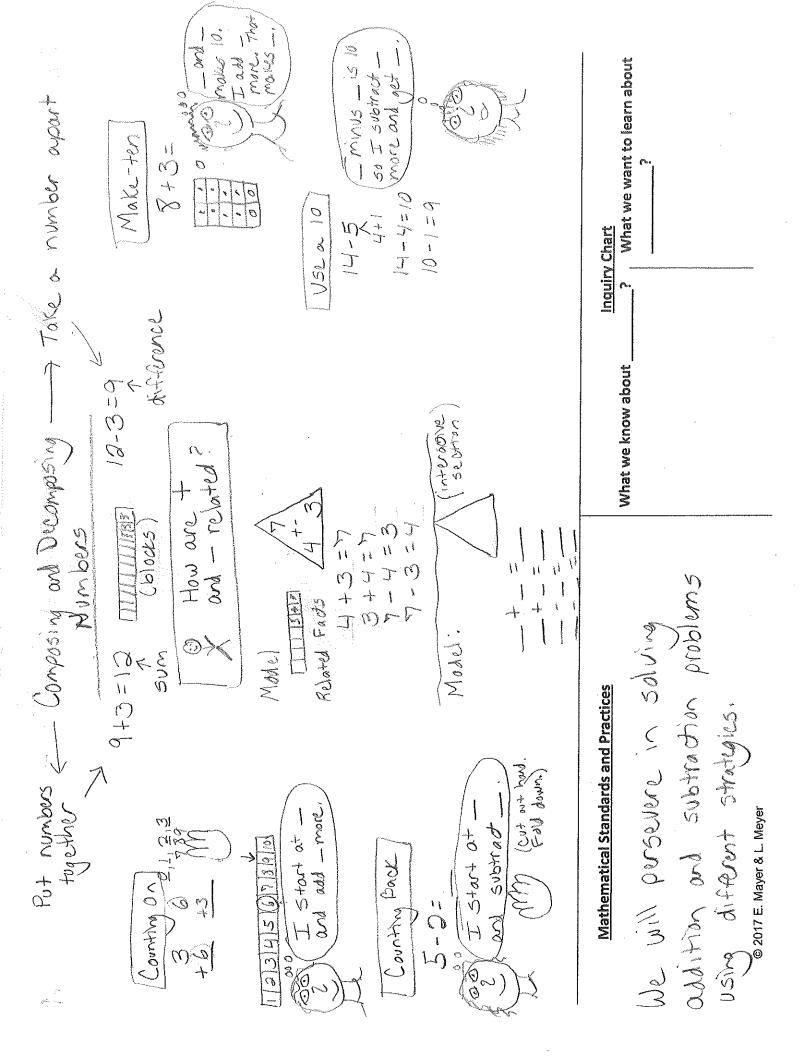
** Yamus a perseverar en resolver problemois de suma y resta willizando direventes Estándares y prácticas matemáticas

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estrategias

Lo que sabemos sobre_

Lo que queremos aprender



UNIT PLANNING TOOL

Planning Focus: <u>Composing and Decomposing Numbers</u> CCSSM:

Module(s)/Unit(s) 1st

1.OA.6Add and subtract within 20, demonstrating fluency for addition and subtraction within 10. Use strategies such as 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); and creating equivalent but easier or known sums (e.g., adding 6+7 by creating the known equivalent 6+6+1=12+1=13).

1.OA.1 Use addition and subtraction within 20 to solve word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using objects, drawings, and equations with a symbol for the unknown number to represent the problem.

1.OA.3 Apply properties of operations as strategies to add and subtract.

1.OA.5 Relate counting to addition and subtraction (e.g., by counting on 2 to add 2).

Mathematical Practices being emphasized:

- 3) Make sense of problems and persevere in solving them.
- 7) Look for and make use of structure.

Essential Questions

How are addition and subtraction related?

How do we become more efficient at add and subtracting?

How can we use different combinations of numbers and operations to represent the same quantity?

How does composing and decomposing numbers help us add and subtract?

Key Concepts previously learned

Represent addition and subtraction with objects, fingers, mental images, and drawings Add and subtract within 10

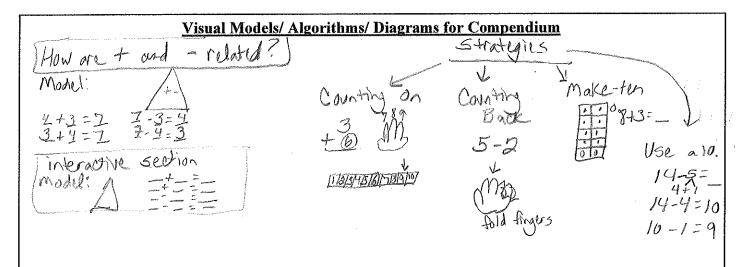
Decompose numbers that are less than or equal to 10 in more than one way

Make a ten from any given number 1-9

Pre and Post Assessments

Teacher made – show how many ways to make 5 and 10

Post Assessment – teacher made based on standards



Connections (Real World Applications)

- Highlight real situations in class where we are using addition or subtraction (lunch count, adding people to a group, how many more pencils/ papers need...)
- Use word problems that students can relate to from home and school experiences

Language Functions/Structures			
plus is		The sum of and is	
plus makes 10).	plus makes 10. Then I add more. (make ten)	
I start at and add _	more. (counting on)	I start at and count back more. (counting back)	
minus is	•	When you decompose a number you	
The fact family for,	and is		
I/ we solved the problem by		I subtracted/ added because	
<u>Vocabulary</u>			
composing	decomposing		
add	plus	sum	
subtract minus		•	
fluency	efficient	strategy model	
counting on	counting back number sentence	counting all make-ten	
equation	number semence		
P			
		Focus and Motivation	
Chants/ Songs			
Addition and Subtraction Bugaloo by Jamie Shell			
	Fact Families Song to Wheels on the Bus by Lisa Meyer		
Mr R's World of Math - My Dog Addition and The Mystery of the Chocolate Donuts			
Mr R's World of Mat	th - My Dog Addition	·	
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Fact Families by Lisa Meyer

Sing the chorus to The Wheels on Bus

The fact families for addition and subtraction, addition and subtraction, addition and subtraction

The fact families for addition and subtraction are related.

Stop and say/ chant the fact family you are looking at

Let's look at this example:

4 plus 3 is 7

3 plus 4 is 7

7 minus 3 is 4

7 minus 4 is 3

Sing the chorus again.

Note: This chant is usually done orally and not written out. You can use it to help students see fact families and remember the relationship.