Making Sense of Number Sense

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Introductions:	Subitizing Activities
Come up with 3 interesting facts about yourself that include either a fraction or a decimal.	Domino Flash
	Domino War
1.	Step 1: Deal out all of the dominoes and ask each play- er to keep their dominoes face down
2.	Step 2: Ask each player to choose one Domino and flip it face up in front of them.
3.	Step 3: Each player must add up the two sides of their Domino to get the total. Whoever has the highest number wins both Dominoes.
What does NUMBER SENSE mean to you?	Step 4: If both players have the same total number, for example, if Player 1 flips over a 3/4 Domino and Player 2 flips over a 5/2 Domino (both equal to 7), this is called "War." When "War" occurs, both players must choose a second Domino, flip it face up, add up the total number, and whoever has the higher number wins all four Dominoes.
 What is Subitizing? Subitizing refers to the ability to 'see' a small amount of objects and know how many objects there are without counting. 	Step 5: When one player loses all their dominoes, they are out of the game. Whoever holds all the dominoes at the end of the game is the winner.
	Domino Concentration
	⇒ Why might subitizing be important for stu- dents in math?
For more information on Subitizing:	
Clements, D. H. (1999). Subitizing: What is it? Why teach	

it? Teaching children mathematics, 5, 400-405.

Zoom: Guess my Number (YOUR TRY)



QUESTION: How did including the zooming number line improve number sense?

Why do kids struggle with FRACTIONS?

- We often teach fractions as an isolated unit.
- We rush into computation and procedure.
- We make assumptions.
- We fail to make connections.

FRACTION Connection:

- Measuring
 - Cooking
- Telling time
- Decimals
- Ratios
- Map Skills
 - Driving

Take a moment to create as many addition and/or subtraction sentences that equal 5/8 using only eighths.

How much is shaded in?

0



1

2

Comparing Fractions:	Who has more?
 More same size parts (same denominator) Same number of parts, but different size parts (same numerator) More or less than half 	7/8 11/12 Hint: Think about the negative space.
 Looking at the Negative Space Notes on Finding Half: 	 Estimate: Is it more or less than 1/2? Is it more than one whole?
	 About how large will the sum or difference be? How do you know? 1.
Who has more? 5/8 7/15 5/10 4/9	2.
6/9 4/10 Hint: Think about using half as a benchmark.	3.
Notes on Negative Space:	4.
	5.

How Much does it really cost?



Relating decimals to Money:

Penny:	.01	or	1/100 of dollar
Dime:	.1	or. 10	1/10 of dollar

FINAL THOUGHTS:

- Rome was not conquered in a day; take small steps.
- Incorporate number sense activity throughout each unit or during odd free moments .
 - Spiral back to activities throughout the school year.