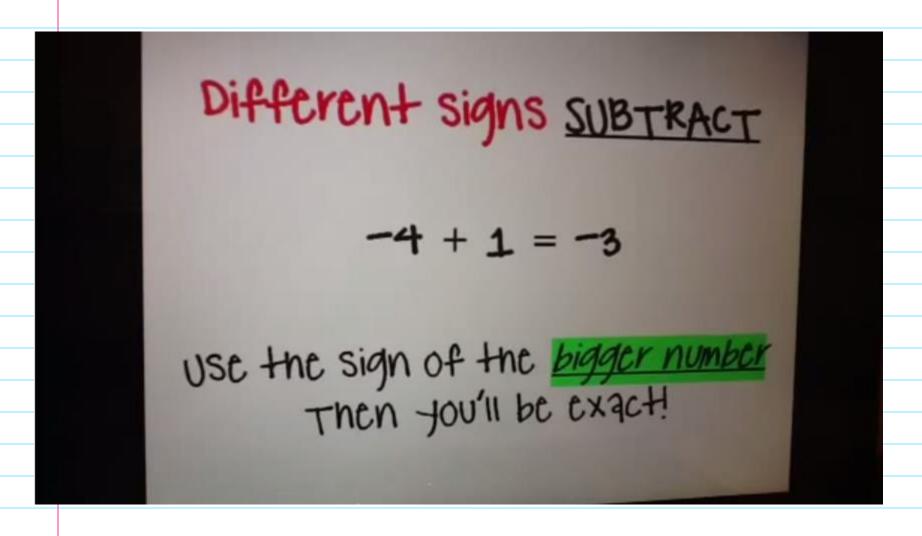# Lesson 2.2 Adding and Subtracting (Day 3)

Objective

- Add and subtract integers by choosing strategies (Keep-Change-Change; going to war, number line, t-chart.

- **Common Core State Standards** *7.NS.1*

- **Mathematical Practices** 2. Reason 4. Model mathematics. 5. Use tools strategically. 6. Attend to precision.7. Look for and use structures

Lesson 2.2 Adding and Subtracting (Day 3)

http://safeshare.tv/w/czpVyDVkIi

Lesson 2.2 Add and Subtract Integers

Integers are the set of negative and positive whole numbers.

Adding Integers

If the signs are the same...
- add the numbers and keep the sign
  $^+5 + {}^+2 = {}^+7$ or $^-5 + {}^-2 = {}^-7$

If the signs are different...
- subtract the numbers and take the sign of the number with the largest absolute value
  $^+5 + {}^-2 = {}^+3$ or $^-5 + {}^+2 = {}^-3$

*Same sign, add and keep
*Different signs subtract
*Use the sign of the bigger number, then you'll be exact

Subtracting Integers

Change the subtraction problem into an addition problem with keep, change, change.
- Keep the sign of the first number
- Change the subtraction (-) to addition (+)
- Change the sign of the second number

$^+5 - {}^-2 = {}^+7$

keep change change

Rewritten as: $^+5 + {}^+2 = {}^+7$

$^-5 - {}^+2 = {}^-7$

keep change change

Rewritten as: $^-5 + {}^-2 = {}^-7$

- Use the addition rules

Lesson 2.3 Guided Practice

-23+17=

-13+ (21)=

Lesson 2.3 Guided Practice

42-15=

62-(-72)=

Distance between -3 and -15

Distance between 3 and -18

Lesson 2.3 Independent Practice

P

$$-23 + 47 =$$

$$-4$$

*Adding and Subtracting Integers Scavenger Hunt

*When finished come conference with me