

12.3

# Subtracting Rational Numbers

# DO NOW

**Explain how to find the sum of  $-8.46 + 5.31$  in your own words.**

# Subtracting Integers

Subtraction is the same  
as adding the opposite

1. Change the minus sign to addition
2. Change the second number into the opposite
3. Do the problem like a regular addition problem

$$4 - 9 =$$

$$8 - (-12) =$$

$$-7 - 6 =$$

$$-4 - (-11) =$$

## Subtracting Pos. & Neg. Fractions & MN

$$1) \quad -5\frac{1}{3} - \frac{5}{6}$$

$$2) \quad 4\frac{1}{2} - 5\frac{1}{4}$$

## Subtracting Pos. & Neg. Decimals

$$3) \quad -8.4 - 6.7$$

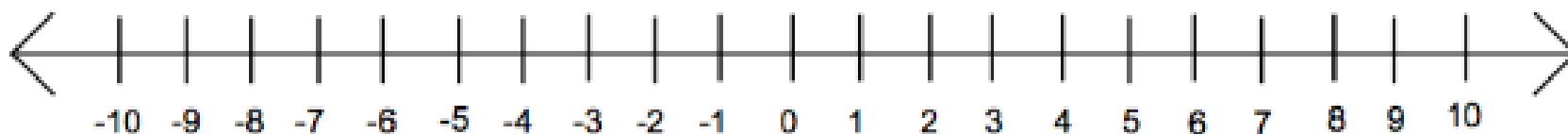
$$4) \quad -20.5 - 20.5$$

## Adding Pos. & Neg. Decimals

5)  $0.41 - (-0.07)$

# Finding the Distance Between Two Numbers on a Number Line

To find the distance between the numbers, find the **DIFFERENCE**.



Find the distance between  $-7$  and  $-3\frac{2}{3}$ .