Name: _____

Aim: How can we subtract Rational Numbers?

Do Now:

Evaluate each expression.

a) -10 – 14	b) 9 – (-45)	c) -22 – (-41)	d) -3.4 – 5
e) -0.2 – 1.35	f) 19 – (-0.06)	g) $-3\frac{1}{4} - 4\frac{2}{3}$	

Guided Practice

a) $-\frac{3}{10} - (-\frac{9}{10})$	b) $-\frac{7}{8} - \frac{1}{4}$	c) $-2\frac{1}{2} - (-3\frac{3}{4})$	d) $-2\frac{1}{2} - 3\frac{3}{4}$

a) $8\frac{1}{4} - (-5\frac{1}{3})$	b) $-7\frac{3}{4} - (-4\frac{7}{8})$	c) $-24.15 - 13.7$	d) $-6.775 - (-1.7)$

Connections/Word Problems

a) A diver descended 25.65 feet below the surface of the ocean. He then went 16.5 feet further down and then climbed 12.45 feet. Write a numerical expression to represent this situation. What is the new elevation of the diver?

b) The temperature on an outdoor thermometer on one day was 5.5^0C. The next day, the temperature was 7.25^oC less. Write an expression using subtraction to model the problem. Evaluate the expression to determine the temperature on the second day.

c) Analyze the numerical expression below. Can you simplify it "**quickly**"?

$-15.2 + 17.89 - 8.4 + 15.2 + 9 - 17.89 + 8.4$

The **TAKE**AWAY™	When subtracting rational numbers, we must _____.