Name _____

Date _____ Pd_____

ADDING AND SUBTRACTING RATIONAL NUMBERS II

Mrs. Price presented a problem in which the numbers 1-4 are each missing one time. Use the missing numbers and your understanding of adding fractions to make the equation true.

$$\frac{\square}{\square} + \frac{\square}{\square} = \frac{11}{12}$$

ADDING & SUBTRACTING FRACTIONS

Fractions and mixed numbers can be added and subtracted by following these steps:

1. Find the _____ of the fractions.

2. _____ each fraction.

3. Add or subtract the _____. Leave the denominator the same.

4. Regroup and simplify.

Practice adding and subtracting the fractions with like denominators below. Then simplify any answers greater than one.

1.	2.	3.
$\frac{3}{5} + \frac{4}{5} =$ _____	$-\frac{5}{6} + \left(-\frac{5}{6}\right) =$ _____	$-\frac{3}{4} + \left(-1\frac{3}{4}\right) =$ _____
4.	5.	6.
$-\frac{3}{5} - \frac{4}{5} =$ _____	$-\frac{5}{6} - \frac{3}{6} =$ _____	$-\frac{2}{3} - \left(-\frac{1}{3}\right) =$ _____

For 7-9, add and subtract the following fractions.

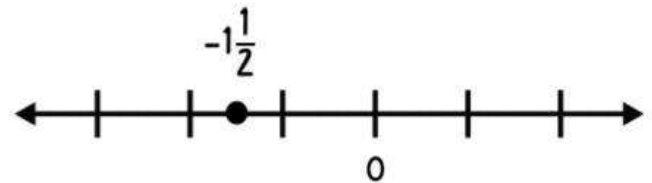| 7. $-\dfrac{1}{6} + \dfrac{2}{3} = $ _____	8. $-\dfrac{5}{8} + \left(-\dfrac{3}{4}\right) = $ _____	9. $-\dfrac{3}{8} - \dfrac{1}{2} = $ _____

Use your understanding of rational number operations to answer the questions below.

10. A new monument is being constructed and three different proposals are under consideration. How many feet taller is proposal A than proposal C?

MONUMENT	HEIGHT(FT)
Proposal A	$15\dfrac{1}{3}$
Proposal B	$11\dfrac{2}{3}$
Proposal C	$13\dfrac{5}{6}$

11. Mrs. Oliver asks three students to place an expression on the number line to represent the solution. The number line below shows 0 and $-1\dfrac{1}{2}$. Determine where each student should place the solution to their expression.

JUDY
$-1\dfrac{1}{2} - 2$

RICO
$-1\dfrac{1}{2} + 4$

CADE
$-1\dfrac{1}{2} + 1\dfrac{1}{2}$

12. During a drought, the local lake was $2\dfrac{1}{4}$ feet below its normal level. Two weeks later, the water level had dropped an additional $1\dfrac{3}{8}$ feet. How far below the normal level was the water after two weeks?

I KNOW:	I NEED TO KNOW:
PLAN AND WORK:	SOLUTION: