Math 9 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Rational Numbers in Fraction Form Date: \_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_

Adding & Subtracting fractions:

1. Change mixed fractions to improper fractions.
2. Create fractions with common denominators.
3. Add or subtract numerators.
4. Reduce

$$3\frac{1}{2}+\frac{6}{7} 3\frac{1}{2}-\frac{6}{7}$$

Multiplying fractions

1. Convert mixed fractions to improper fractions.
2. Numerator times numerator
3. Denominator times denominator
4. Reduce

$$3\frac{1}{2}×\frac{6}{7}$$

Dividing fractions

1. Convert mixed fractions to improper fractions.
2. Change division to multiplication and “FLIP” (take the reciprocal) of the second fraction.
3. Proceed with steps 2, 3 and 4 of multiplying fractions.

$$3\frac{1}{2}÷\frac{6}{7}$$

Keep it simple! Always move the negative sign to the numerator.



**In-class examples**

1) Circle the other 2 that are equivalent to 

    

2) Complete these on your own and then compare your answers with two people sitting near you.

a)  b)  c)  d) 

3)

**4) Word Problem Examples:**

a) Brad has 24 feet of baseboard material. b) At birth a puppy is 2/3 of a foot from nose to

He has measured his bedroom and needs tail. Three years later the same puppy is 

the following lengths to finish the room: from nose to tail. How many times longer is

 How much the puppy after three years of life?

more baseboard material does he

need to buy?

Homework: pages 67 to 68 # 5 to 10.

(Some of you have already done 5 & 6, so you just have 7 to 10 to do.)