Unit 0 Prerequisites from Prior Courses (Review) Notes Day 4 Fractions (PH ALG Skills Review pages 724 – 727)

Name		
Hour	Date	

Fractions name a part of a whole. The region below is divided into ten equal parts. Six 6

of these parts are shaded. This is equivalent to the fraction $\frac{6}{10}$.



When working with fractions there are many ways to represent the same value.

For example, the same shaded area can be represented in the following way.



Example 2: Write $\frac{8}{24}$ in simplest form.

Example 3: Write each mixed number as an improper fraction.

a.
$$5\frac{1}{4}$$
 b. $3\frac{2}{3}$

Example 4:	a. Add.	$\frac{4}{5} + \frac{3}{5}$	b. Subtract.	$\frac{5}{9}$ -	$\frac{2}{9}$
Example 4:	a. Add.	$\frac{-}{5} + \frac{-}{5}$	b. Subtract.	$\frac{-}{9}$ -	

Example 5: Add.
$$3\frac{1}{6} + 1\frac{3}{4}$$

Example 6: Subtract. $5\frac{1}{4} - 3\frac{2}{3}$

Example 7: Multiply.

	3	5	24	12
a.	$\overline{7}$	• <u>6</u>	b. $2\frac{-}{5}$ · ·	$^{-1}\overline{3}$

To divide by a fraction we must use the multiplicative inverse. In other words, change the division to multiplying by the ______.

Example 8: Divide.

a.
$$\frac{4}{5} \div \frac{3}{7}$$
 b. $-4\frac{2}{3} \div -7\frac{3}{5}$

Homework: Day 4 Worksheet#1 Add/Subtracting Fractions and Mixed Numbers-Evens Day 4 Worksheet#2 Multiplying/Dividing Fractions and Mixed Numbers-Evens