

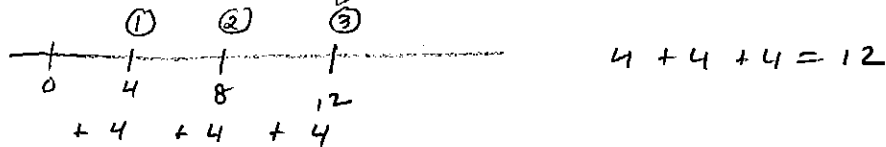
Foundations for College Algebra
9:00am MTWF
University of North Georgia
Fall 2015
Quiz #3

Name: Key Date: September 1, 2015

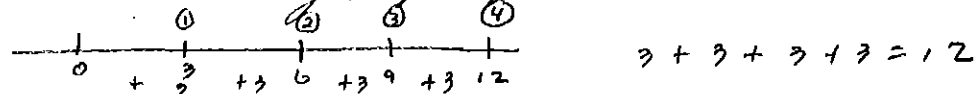
1. Show that the *Commutative Tool* holds for multiplication by graphing the $3 * 4 = 4 * 3$ on number lines.

$$3 * 4 = 4 * 3$$

$3 * 4$ Three groups of 4



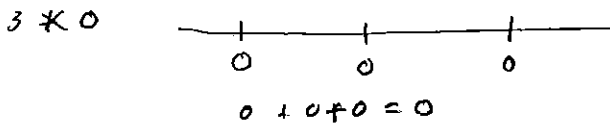
$4 * 3$ Four groups of 3



2. Explain *Multiplication by Zero* by example and the use of a number line.

e.g. $3 * 0 = 0 * 3$

1
 3 groups of $0 = 0$ 0 groups of $3 = 0$



3. What is the meaning if $\frac{a}{b}$ and the remainder is zero?

b divides into a evenly as

in $\frac{15}{5} = 3$; remainder zero.