Guided Notes 2-0-1 – Equivalent Fractions & Simplifying Fractions

Equivalent Fractions

Fractions, unlike whole numbers, can be written in many different ways and yet represent the same value. For example,

!

" # "

$ # %

& # $

' # (

!) # &

!" # *

!$ # '

! & # +

!' #!)

") #!!

"" #!"

"$ #!%

" & #!$

"' #!(

%)

All of these fractions have the same value as ,
-

. Fractions that have the same value are called equivalent fractions.

You can create equivalent fractions by multiplying or dividing both the numerator and

denominator of a fraction by the same number.

")

%(# ") (

%(. (# $

*

or

$

* # $ / &

* / & # "$

$"

Write the equivalent fraction with the given denominator.

0

1 # -2 3

4 #,5 6

2 # -0 7

2 # 47 4

0 # 60 ,

7 # 46

, 4

3 4 # 2 37

6 4 # 4 ,-

, 0 # 3 ,6

6 1 # 2 47

7 6 # 0 2-

0 , # 1

Write the equivalent fraction for the whole number.

& # 3