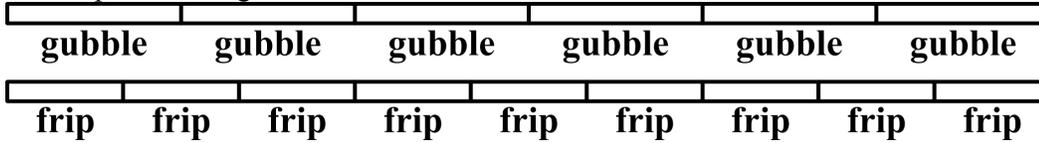# Equivalent Fractions

Tuesday 11/18/08

Name:
Homeroom:
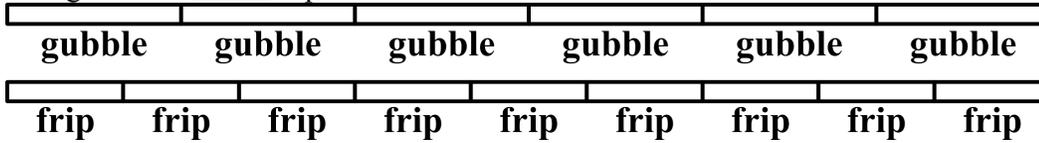Mr. Z.'s Science Class
11/18/08

Do-now: Finding equivalent measurements

As we did in class yesterday, your goal here is to take a measurement in one unit and figure out what it is in another unit be creating another measurement equal in length to the first.
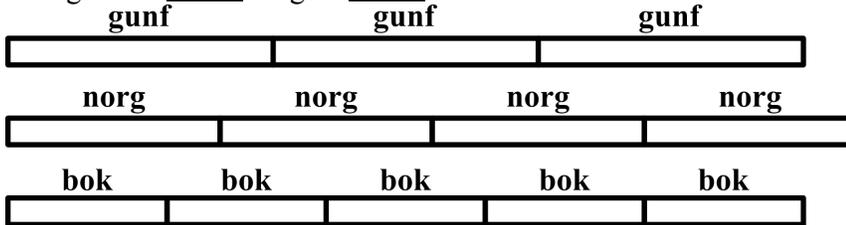
1. 5 ¹/4 frips = _____ gubbles

| gubble | gubble | gubble | gubble | gubble | gubble |

| frip | frip | frip | frip | frip | frip | frip | frip | frip |

2. 4 ³/4 gubbles = _____ frips

| gubble | gubble | gubble | gubble | gubble | gubble |

| frip | frip | frip | frip | frip | frip | frip | frip | frip |

3. 1 ¹/2 gunfs = _____ norgs = _____ boks

| gunf | gunf | gunf |

| norg | norg | norg | norg |

| bok | bok | bok | bok | bok |

Equivalent Fractions

4. Write each of the fractions or mixed numbers shown below.

| gunf | gunf | gunf |

| gunf | gunf | gunf |

| gunf | gunf | gunf |

| gunf | gunf | gunf |
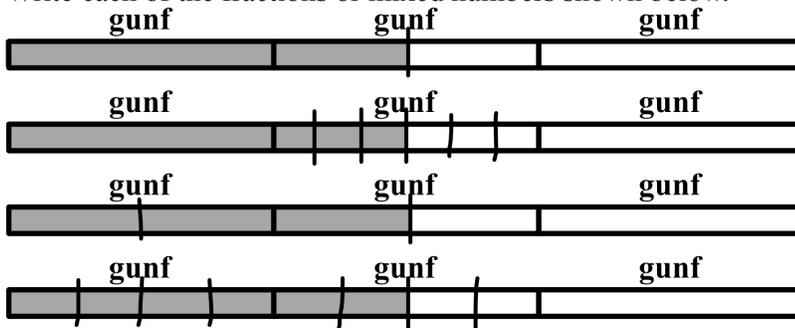
5. What does it mean that those fractions are all **equivalent**?

Mixed numbers and improper fractions

6. For each of the fraction bars shown below, write the measurement as a mixed number, then change the drawing to turn it into an improper fraction, and write the improper fraction.

| gunf | gunf | gunf |

| norg | norg | norg | norg |

| bok | bok | bok | bok | bok |
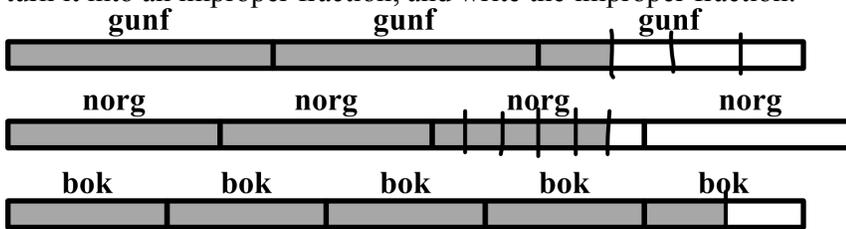
7. Below, draw $^{11}/_4$ gunf, $^{13}/_8$ norg, and $^7/_2$ bok. Then, next to each, write what it would be as a mixed number.

gunf **gunf** **gunf**

**norg** **norg** **norg** **norg**

bok **bok** **bok** **bok** **bok**
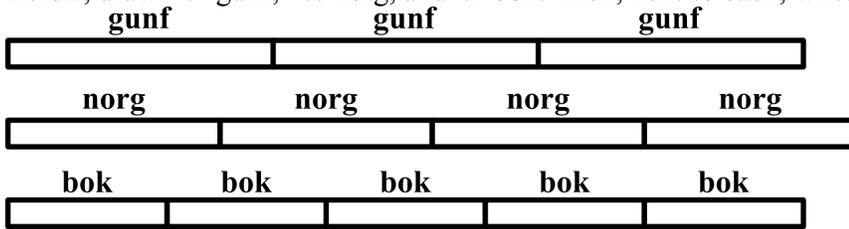
Changing the denominator

8. Below, draw fraction bars to show me how to convert: 1 $^3/_4$ gunfs into eighths, 2 $^1/_2$ norgs into sixths, and 3 $^3/_4$ boks into twelfths. You can leave the whole number part undisturbed and convert just the fraction part.

gunf **gunf** **gunf**

norg **norg** **norg** **norg**

bok **bok** **bok** **bok** **bok**
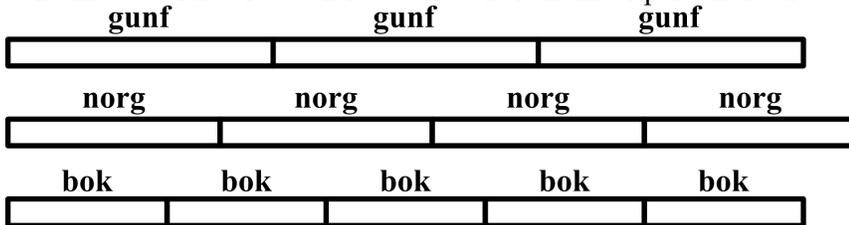
Equivalent Fractions Homework

1. Write each of the measurements below as a mixed number. Then convert to an improper fraction by first changing the drawing, then writing what it is as a mixed number.

gunf **gunf** **gunf**

norg **norg** **norg** **norg**

bok **bok** **bok** **bok** **bok**
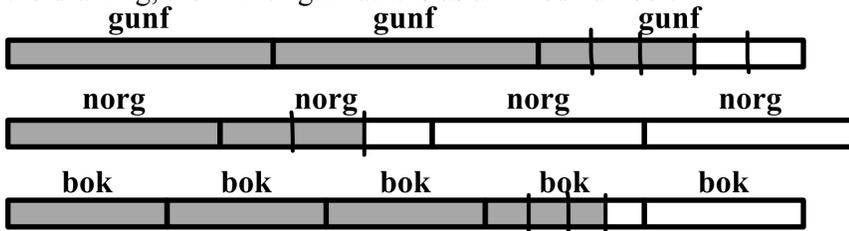
2. Below, draw $^{13}/_6$ gunf, $^{15}/_4$ norg, and $^7/_3$ bok. Then, next to each, write what it would be as a mixed number.

gunf **gunf** **gunf**

norg **norg** **norg** **norg**

bok **bok** **bok** **bok** **bok**
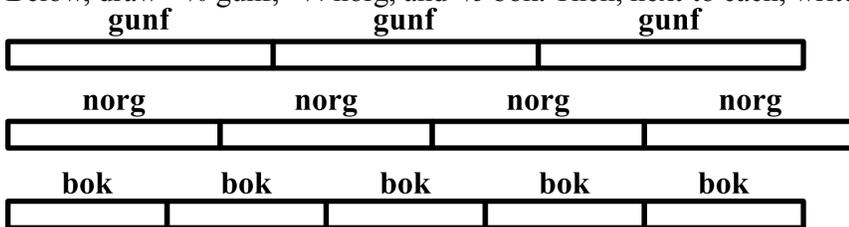
3. Convert the fraction parts of each of these measurements into eighths, and write a math sentence showing what the measurement originally was and what you converted it into. (For example, you might write that *2 $^4/_8$ gunf = 2 $^1/_2$ gunf*)

gunf **gunf** **gunf**

norg **norg** **norg** **norg**

bok **bok** **bok** **bok** **bok**
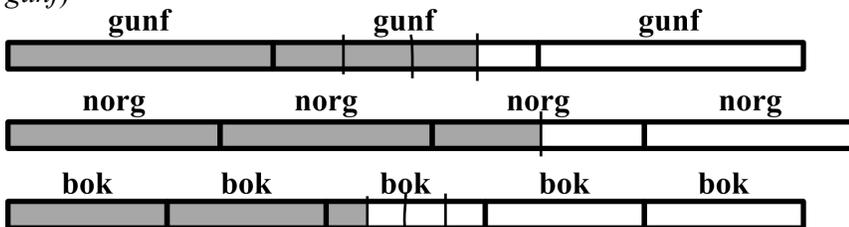
4. Below, fill in either the numerator or the denominator of each fraction to make all the fractions in each line equivalent.

$$\frac{10}{4} = \frac{}{8} = \frac{}{2} = \frac{15}{} = 2\frac{}{4}$$

$$\frac{25}{5} = \frac{}{2} = 2\frac{}{2} = 1\frac{}{2} = 1\frac{}{6}$$