

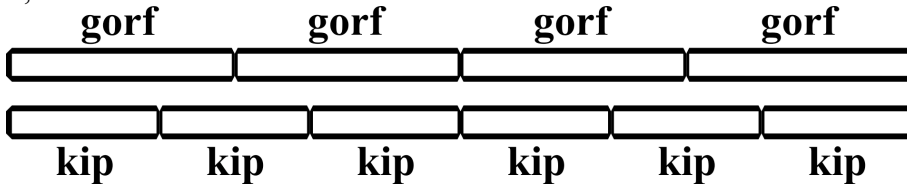
# Fractions of Numbers Practice

Wednesday 12/17/08

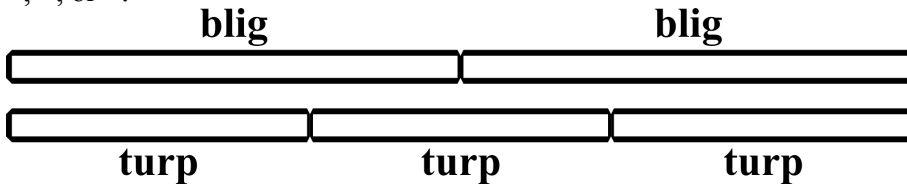
Name:  
Homeroom:  
Mr. Z.'s Science Class  
12/17/08

## Comparing fractional measurements

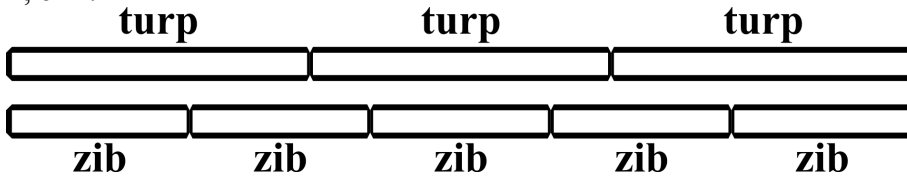
1. Below, draw five halves of a gorf and seven thirds of a kip, and write a math sentence comparing the two with  $<$ ,  $>$ , or  $=$ .



2. Below, draw three halves of a blig and nine quarters of a turp, and write a math sentence comparing the two with  $<$ ,  $>$ , or  $=$ .

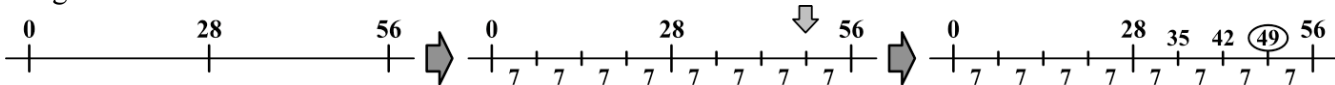


3. Below, draw seven fifths of a turp and eight thirds of a zib, and write a math sentence comparing the two with  $<$ ,  $>$ , or  $=$ .

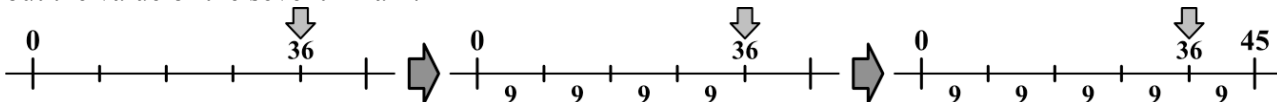


## Mixed number line practice

Some of these problems are asking you to figure out the part, and some the unit. Make sure you are looking for the right thing! Remember:



To find out "What is seven fourths of 28?" I start out by drawing units 28 long broken into fourths; I then have to work out the value of the seventh mark.



To find out what 36 is four fifths of, I start out with a number line in which the units are broken into fifths, but the units aren't yet labeled. I put 36 at the fourth mark, and figure out from that that each space is 9 long. Finally, that allows me to figure out the unit.

4. Twenty is four fifths of what?

5. What is five thirds of sixty?

6. Ten is two thirds of what?

7.  $\frac{3}{4} \times ? = 33$

8.  $\frac{5}{3} \times 90 = ?$

9.  $\frac{7}{4} \times ? = 56$

10. **Challenge:** A hardware store puts a grill on sale for  $\frac{4}{5}$  of the full price when it has not sold by September, and reduces the price to  $\frac{5}{8}$  **of that** in December. If the grill is selling for \$200 now, what was the original price?  
*(Hint: Use one number line to find the September price, and another to find the summer price from that)*