

Comparing Unit Parts

Thursday 12/11/08

Name:
Homeroom:
Mr. Z.'s Science Class
12/11/08

Do-now: Comparing with $<$, $>$, and $=$

If two things are not the same size, I can use $<$ or $>$ to indicate which is bigger. Remember that the "alligator mouth" always points toward the bigger thing.

Fill in $>$, $<$, or $=$ between the pair of objects in the problems below to indicate whether the first object is greater than, less than, or equal to the other.

1.

2. A car An airplane

3. 73 5.921

4.

5. A computer A calculator

6. $6 * 7$ $84 / 2$

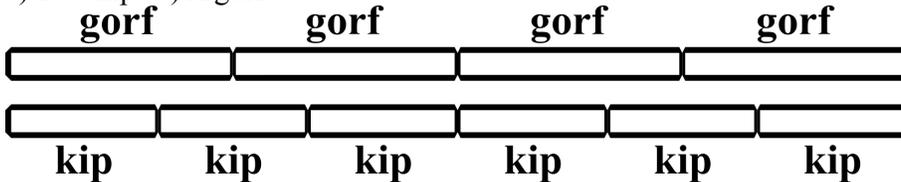
Comparing units and parts

For each of the problems below:

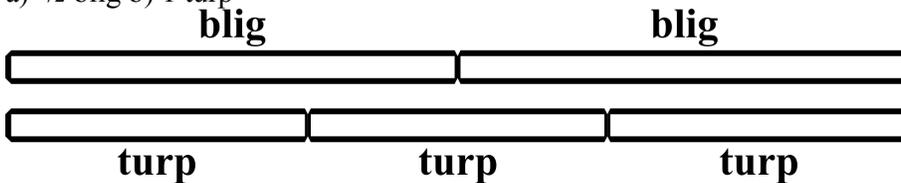
- Draw the two things listed.
- Write a math sentence comparing them with $<$, $>$, or $=$
- Write a sentence in words comparing the two, using "is smaller than", "is bigger than", or "is the same size as."

(Hint: if you break up **all** the units, it is easy to figure out which pieces are bigger: whichever piece is smaller, more of them will fit in.)

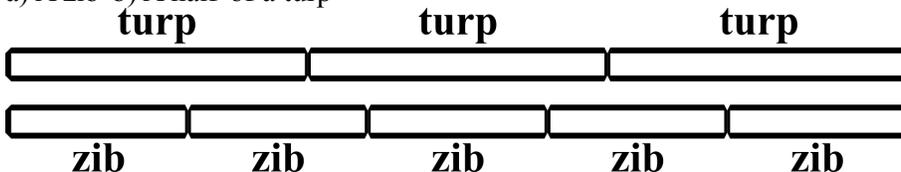
1. a) Two kips b) A gorf.



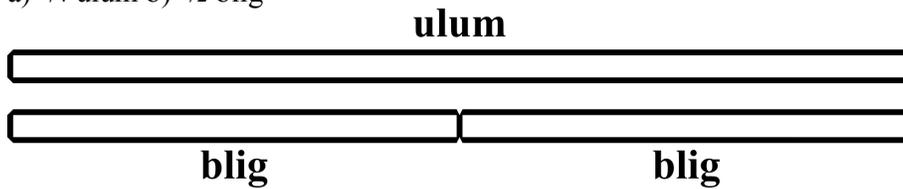
2. a) $\frac{1}{2}$ blig b) 1 turp



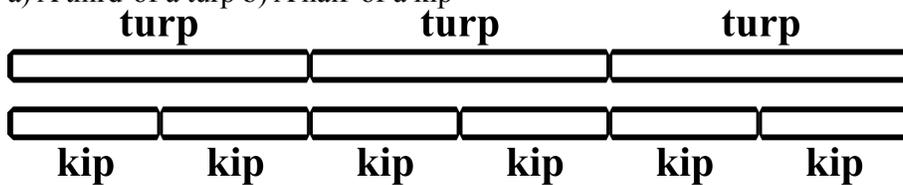
3. a) A zib b) A half of a turp



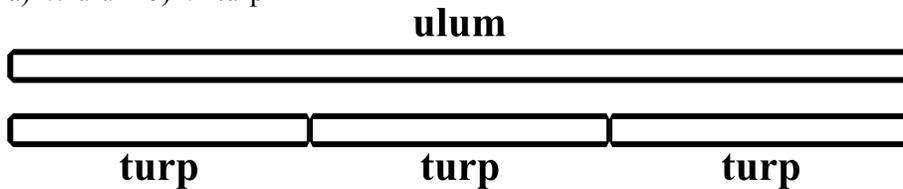
4. a) $\frac{1}{4}$ ulum b) $\frac{1}{2}$ blig



5. a) A third of a turp b) A half of a kip



6. a) $\frac{1}{5}$ ulum b) $\frac{1}{2}$ turp



Comparing fractions of numbers

For each of the problems below, figure out how the two things compare. If the problem is written in math, fill in $<$, $>$, or $=$. If the problem is written in words, fill in "smaller than", "bigger than", or "the same size as."

1. Thirty two is _____ fifty six.

2. 14 _____ 3

3. A third of sixty is _____ twenty.

4. 39 _____ $\frac{1}{2} \times 72$

5. A quarter of forty is _____ a third of thirty.

6. $\frac{1}{2} \times 24$ _____ $\frac{1}{6} \times 72$

7. A fifth of one hundred is _____ one quarter of seventy two.

8. $\frac{1}{3} \times 36$ _____ $\frac{1}{4} \times 56$