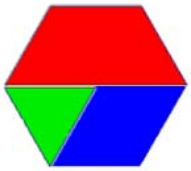
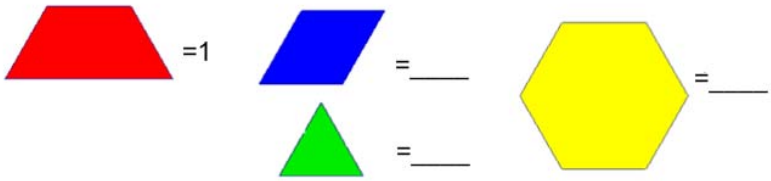
More fraction problems name:_____

Pattern blocks fit together nicely, and there are lots of ways to cover a hexagon.

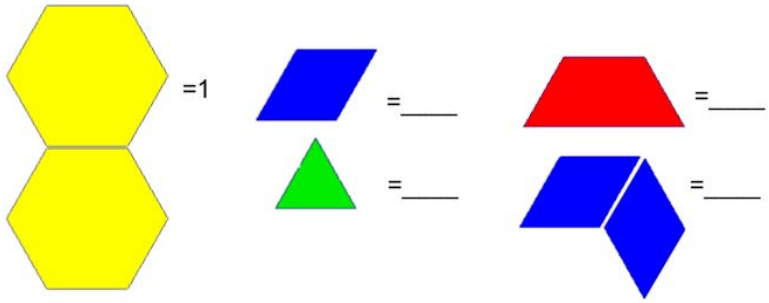


We can show different fractions with pattern blocks by making different choices for the unit whole.

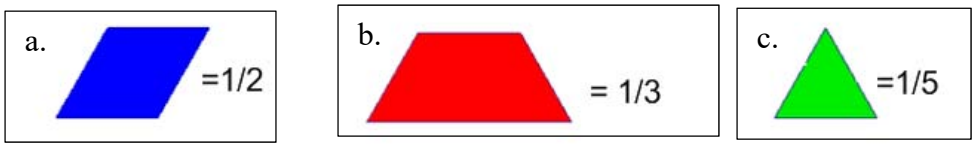
1. Fill in the blanks with the correct fractions.



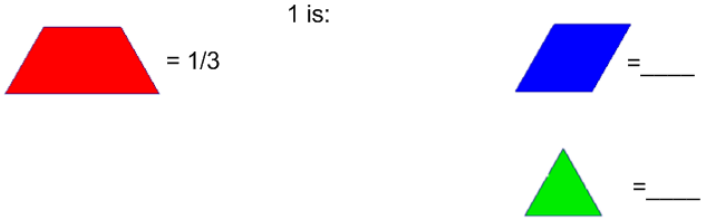
2. Fill in the blanks with the correct fractions.



3. Given each of these fractional amounts, draw and tell what block or set of blocks would show the unit whole:



4. Given each of these fractional amounts, draw and tell the whole unit, and figure out the fractional name of the other shapes:



5. Write the name in words for each of these fractions:

a. 1/3

b. 2/5

c. 3/7

d. 5/12

6. Sometimes children's reasons comparing fractions doesn't work (right answer, wrong reason). For each of these examples,

- tell what is wrong with the reasoning, and
- give a better reason for which fraction is larger (using one of the 4 comparison strategies we have been discussing)

a. $\frac{4}{9}$ is bigger than $\frac{4}{15}$ because you need fewer pieces to get to the whole.

b. $\frac{2}{3}$ is bigger than $\frac{3}{4}$ because thirds are bigger than fourths.

c. $\frac{5}{8}$ is bigger than $\frac{4}{10}$ because it has more pieces (what pieces is the child talking about?)

d. $\frac{4}{10}$ is bigger than $\frac{5}{8}$ because it has more pieces (what pieces is the child talking about?)

e. $\frac{10}{12}$ is greater than $\frac{3}{7}$ because 10 is closer to 12 than 3 is to 7.