

Homework to hand in on paper Friday 10/1:

1. For each of the word problems below, draw out solutions in 3 ways, and write the fractional answers that match your pictures (3 sets of fractions, 3 sets of pictures for each)

Strategies to show:

- Share large pieces first
- Share one item at a time
- Factors or breaking into groups

a. Six children are sharing 10 brownies. How much does each child get?

b. Six brownies are shared by 10 children. How much does each child get?

2. Show how to visually simplify each fraction by grouping. Label your pictures or write an explanation to show how the original fraction is related to the simplified fraction. Write the equation that corresponds to your pictures and labels.

a. $\frac{6}{10}$

b. $\frac{9}{12}$

3. For the fraction sums and differences below, show how to use squares to find the equivalent fractions that have the same size pieces (common denominator). Your equivalent fraction should have pieces that are the same shape and size for both fractions. Label your pictures or write an explanation to show how the equivalent fraction names correspond using multiplication. Write an equation or equations that correspond to your pictures and labels.

a. $\frac{2}{3} - \frac{1}{4}$

b. $\frac{3}{4} + \frac{2}{5}$