Homework 5.

1. Compute:

   a. $\dfrac{1}{2} + \dfrac{1}{4};$ b. $\dfrac{2}{7} + \dfrac{3}{14};$ c. $\dfrac{5}{9} - \dfrac{1}{3};$

2. There are bicycles and tricycles in a daycare center, 21 in total. The total number of wheels on all tricycles and bicycles is 55. How many tricycles and how many bicycles are there in the daycare? (Hint: how many wheels would be there if there were only tricycles?)

3. There are 100 fourth graders in an elementary school. 3/4 of them went to the field trip. How many students went to the field trip?

4. There are 100 fourth graders in an elementary school. 20 students took part in a math competition. What fraction of the students participated in the math competition?

5. 60 fourth graders like the "Harry Potter" movie. This is 3/5 of the number of students in the 4th grade. How many studenta are there in the 4th grade?

6. Knives are sold 10 to a package, forks are sold 12 to a package, and spoons are sold 15 to a package. If you want to have the same number of each item for a party, what is the least number of packages of each you need to buy?

7. Big rectangle contains 9 squares. The side of red square is 1 unit; the side of blue square is 7 units. Find sides of all other squares and the sides of the big rectangle.