

MATH 230 Class Session #1

Show how to work the following problem by three distinct methods including at least one pictorial method and at least one computational method.

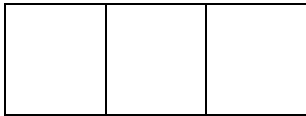
Problem #1:

Two elementary school classes have equal numbers of students. The ratio of girls to boys is 2 to 1 in one class and 3 to 1 in the other class.

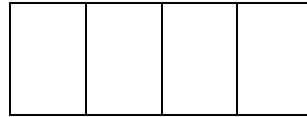
- If the two classes are combined into one class, what is the new ratio of girls to boys?
- What can you conclude about the total number of students in each class?

A pictorial method:

2 to 1



3 to 1



A computational method:

A third method on the reverse side: