

Math Kangaroo Homework #5

Since the Math Kangaroo is coming up in March, we will be solving Math Kangaroo problems for homework. Each week, I will give two Math Kangaroo problems that have showed up previously on real exams. Please solve each problem and provide **complete solutions** (this means showing your work, writing a short explanation for each step, and putting a box around your final answer). **These problems will be collected at the beginning of each class.**

Math Kangaroo 2007 #20

Simona is younger than Victor, but older than Tibi. Alice is younger than Tibi, but older than Barbu. Who is the oldest of them all?

More on the back!

Math Kangaroo 2011 #20

Simon has two identical aquariums. There are 26 quarts of water in one, and 42 quarts of water in the other. How many quarts of water does Simon need to pour from the second aquarium into the first in order to have the same amount of water in both?