

Math Kangaroo Homework #1

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 2009 #19

One week, Ms. Florentina sold eggs at the market every day from Monday to Friday. On Wednesday, she sold 60 eggs. On Thursday, she sold 96 eggs, and noticed that every day that week the number of eggs she sold was equal to the sum of the number of eggs she sold the two previous days. How many eggs did Ms. Florentina sell on Monday?

More on the back!

Math Kangaroo 2006 #23

As Hans wrote the problem on the board, he forgot one digit:

$23 + 31 + 2 + 12 = 94$. This digit is: