

Problems For Tour 3

1. Weighing the baby at the clinic was a problem. The baby would not keep still and caused the scale to wobble. So I held the baby and stood on the scales while the nurse read off 185 pounds. Then the nurse held the baby while I read off 145 pounds. Finally, I held the nurse while the baby read off 310 pounds. What was the combined weight of the nurse, baby, and me?
2. Eve and Oddie play the following game. One of them flips 2001 coins and Eve wins if the number of heads is even, and Oddie wins if the number of heads is odd. What is the probability that Eve will win the game?