



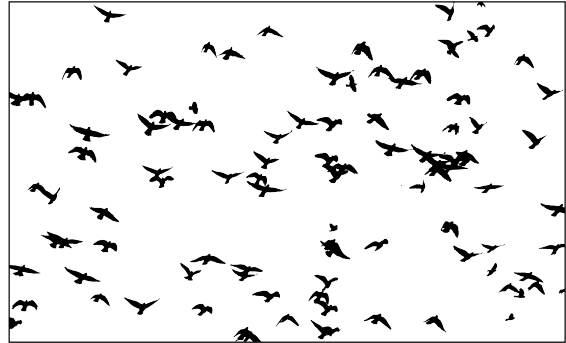
Problem of the Week

Problem B

Destination: Estimation

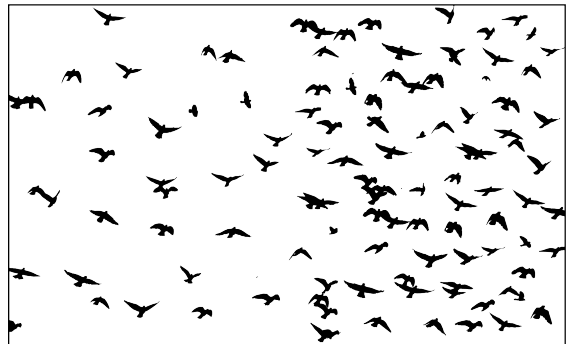
(a) Charley wants to estimate the total number of birds in a picture. Her strategy is to divide the picture into eight smaller rectangles of equal area, count the number of birds in one of the smaller rectangles, and then multiply this number by 8. Using this strategy, estimate the number of birds in Picture 1.

Picture 1



(b) Why might Charley's strategy not give a reliable estimate for the number of birds in Picture 2? Determine a strategy that will give a more reliable estimate, then use your strategy to estimate the number of birds in the picture.

Picture 2



(c) Determine a strategy to estimate the total number of shipping containers on the boat in the picture, then use your strategy to get an estimate. How reliable do you think your estimate is? Explain.

