



Problem of the Week

Problem B

A Probability Puzzle

Jacob has the 600 pieces of a rectangular puzzle in a box. He knows that

- the finished puzzle will have a perimeter of 200 cm, with the width being $\frac{2}{3}$ of the length, and
 - the straight edge on each edge piece is 2 cm long, including the two edges of each corner piece.
- a) If Jacob puts his hand in the puzzle box without looking, and pulls out one piece, what is the probability that it will be a corner piece?
- b) What is the probability that it will be an edge piece, but not a corner piece?

