



# Problem of the Week

## Problem E

### Measure Twice, Cut Once

You are given 100 cm of rope and are asked to cut the rope exactly once so that:

1. You have two pieces.
2. The first piece is used to form a rectangle with one side 8 cm long.
3. The second piece is used to form a square.
4. The area of the square and the area of the rectangle are equal.

Where should the cut be made?

