



## Problem of the Week

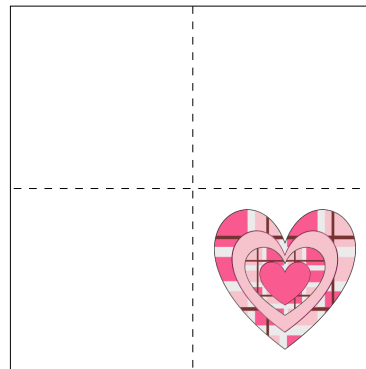
### Problem B

#### Welcome to the Fold

Henry is folding paper to make Valentines.

- a) He folds a square of paper along the vertical dashed line, and then along the horizontal dashed line.

If the resulting smaller square (which is four layers thick) has a perimeter of 30 cm, what was the area of the original square of paper?



- b) Henry wants to make a very special valentine for his Nana, by folding a rectangular piece of paper twice, as in part a). If he wants the folded paper to be a 10 cm by 15 cm rectangle, what shape and size of paper should he start with?

