Area and Perimeter of Rectangles Word Problems

1.) How many feet of fencing would a farmer need if she wanted to enclose a rectangular garden that is 12 feet long and 8 feet wide?

2.) Craig is painting a mural on the side of a building that is 15 feet long and 9 feet wide. How many square feet will need to be painted to complete the mural?
3.) Maria has constructed a rectangular fence with a perimeter of 210 meters, around her backyard swimming pool. If the width of the enclosure is 60 meters, how many meters long is the length?

4.) Brett makes custom door mats that are 18 inches in length and have an area of 252 square inches. What is the width of each door mat?
ANSWER KEY

1.) She would need 40 feet of fencing.
2.) He will have to paint 135 square feet to complete the mural.
3.) The length is 45 meters.
4.) Each doormat has a width of 14 inches.