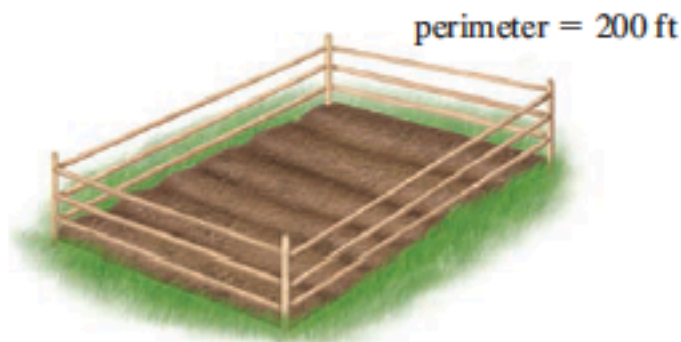**37. Length of a Garden** A rectangular garden is 25 ft wide. If its area is 1125 ft², what is the length of the garden?

x ft

25 ft

38. Width of a Pasture A pasture is twice as long as it is wide. Its area is 115,200 ft². How wide is the pasture?

39. Dimensions of a Lot A square plot of land has a building 60 ft long and 40 ft wide at one corner. The rest of the land outside the building forms a parking lot. If the parking lot has area 12,000 ft², what are the dimensions of the entire plot of land?

40. Dimensions of a Lot A half-acre building lot is five times as long as it is wide. What are its dimensions?
[*Note:* 1 acre = 43,560 ft².]

41. Dimensions of a Garden A rectangular garden is 10 ft longer than it is wide. Its area is 875 ft². What are its dimensions?

42. Dimensions of a Room A rectangular bedroom is 7 ft longer than it is wide. Its area is 228 ft². What is the width of the room?

43. Dimensions of a Garden A farmer has a rectangular garden plot surrounded by 200 ft of fence. Find the length and width of the garden if its area is 2400 ft².

perimeter = 200 ft

44. Dimensions of a Lot   A parcel of land is 6 ft longer than it is wide. Each diagonal from one corner to the opposite corner is 174 ft long. What are the dimensions of the parcel?

45. Dimensions of a Lot   A rectangular parcel of land is 50 ft wide. The length of a diagonal between opposite corners is 10 ft more than the length of the parcel. What is the length of the parcel?

46. Dimensions of a Track   A running track has the shape shown in the figure, with straight sides and semicircular ends. If the length of the track is 440 yd and the two straight parts are each 110 yd long, what is the radius of the semicircular parts (to the nearest yard)?