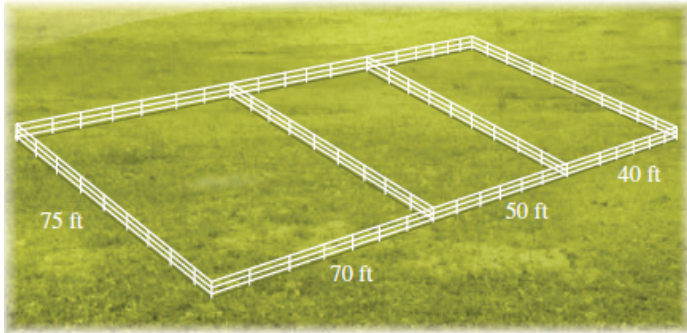


Section 1.1

Livestock Pastures Activity (based on Exercises 96 and 100)



A horse rancher has 3 adjacent pastures. They are all 75 feet wide. The first pasture is 70 feet long, the second is 50 feet long, and the third is 40 feet long. She wants to build fencing around the pastures and sow grass seed for her horses to graze on.

- a. Compute the areas of the three pastures. Include units with your answers.

Pasture 1 Area	Pasture 2 Area	Pasture 3 Area

- b. Compute the total area of the 3 pastures. Explain how your group found the total area. Include units with your answer.
- c. A 25 lb. bag of Horse Master Grass Seed Mix costs \$79.00 and covers $43,560 \text{ ft}^2$. How many bags of the mix will be required to seed the pastures?
- d. How many linear feet of fencing are required for the three pastures?
- e. Each linear foot of fencing costs \$6.79. Compute the total cost for the fencing required for the three pastures.