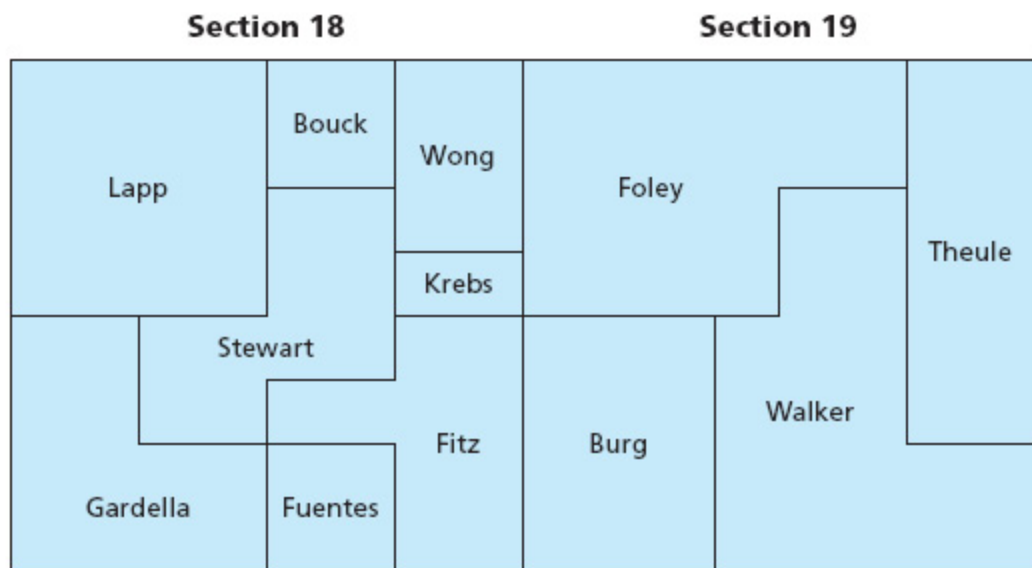The diagram below shows two sections of land that are *adjacent*, or side by side. Each section is divided among several owners. The diagram shows the part of a section each person owns.

Section 18   Section 19

Bouck
Wong
Lapp   Foley
                              Theule
Krebs
Stewart
                              Walker
Fitz   Burg
Gardella   Fuentes

Problem 2.1 Writing Addition and Subtraction Sentences

A. What fraction of a section does each person own? Explain.

B. Suppose Fuentes buys Theule's land. What fraction of a section will Fuentes own? Write a number sentence to show your solution.

C. 1. Find a group of owners whose combined land is equal to $1\frac{1}{2}$ sections of land. Write a number sentence to show your solution.

2. Find another group of owners whose combined land is equal to $1\frac{1}{2}$ sections of land.

D. 1. Bouck and Lapp claim that when their land is combined, the total equals Foley's land. Write a number sentence to show whether this is true.

2. Find two other people whose combined land equals another person's land. Write a number sentence to show your answer.

3. Find three people whose combined land equals another person's land. Write a number sentence to show your answer.

E. How many acres of land does each person own? Explain your reasoning.