**9.3 Solving Problems Using Systems of Linear Equations**

**Goals**

* Choosing a strategy to solve a problem that involves a system of equations

**Vocabulary**

None

**Examples**

1. Victor and Gabe participated in a Plant-a-thon. Victor started planting seedlings at 10 am. He planted one tree per minute. Gabe started planting at 1130 am. His planting rate was 3 trees per 2 minutes.
   1. At what time have they planted the same amount of trees? Solve algebraically using the substitution and elimination methods.
   2. Which did you prefer using? Why?
2. At a fair, a booth is selling bannock, and buffalo stew. Three orders of stew and two orders of bannock cost 13.50. Four orders of stew and five orders of bannock cost 21.50.
   1. What is the price of one bannock and the price of one stew? Use the substitution and elimination methods.
   2. Compare the two methods.

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