**Palette of Problems Question 1**

Question: Jake is playing on a regulation-sized baseball field. It takes him 4.8 seconds to run the 90 feet from home to first base. Ella runs at the same speed as Jake. How long will it take Ella to run from home to first base on a regulation softball field, which measures 60 feet between bases?

Explanation

Since the distance from home to first base on the softball field is 2/3 as long as on the baseball field (60 feet as apposed to 90 feet), multiply Jake’s time (4.8 seconds) times 2/3.

4.8 • 2/3 = 9.6/3 = 3.2

It took Ella 3.2 seconds to go from home to first base if she could run the same speed as Jake.

