

8-3 • Guided Problem Solving

.....

GPS Student Page 295, Exercise 13:

Reasoning A government inspector takes 5 random samples of the same size from a shipment of eggs. She determines the mean weight of a dozen eggs in each sample. What can the inspector conclude if the mean weights of the samples are very close to each other?

Understand

.....

1. What are you being asked to do? _____

2. How will you find the answer? _____

Plan and Carry Out

.....

3. How do you find the mean weight of one sample of eggs? _____

4. What does the mean tell you about a sample?

5. What can you tell by comparing the means of all the samples? _____

6. What can you conclude if the mean weights of all the samples are very close to each other?

Check

.....

7. How can you be sure your answer is correct? _____

Solve Another Problem

8. A poll taker interviews 10 random samples of 20 people each about the number of minutes they spend exercising each day. What can the poll taker conclude if the mean numbers of minutes spent exercising per day are very far apart? _____
