

EXPLORE ACTIVITY 3 (cont'd)

Reflect

3. What are the populations from which the samples were taken?

Guided Practice

Carol wants to know how many people live in each household in her town. She conducts two random surveys of 10 people each and asks how many people live in their home. Her results are listed below. Use the data for 1–6.

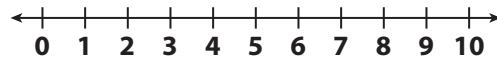
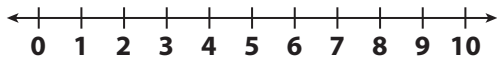
(Explore Activities 1, 2 and 3)

Sample A: 1, 6, 2, 4, 4, 3, 5, 5, 2, 8

Sample B: 3, 4, 5, 4, 3, 2, 4, 5, 4, 4

1. Make a dot plot for Sample A.

2. Make a dot plot for Sample B.



3. Find the mean and range for Sample A.

4. Find the mean and range for Sample B.

Mean: _____ Range: _____

Mean: _____ Range: _____

5. What can you infer about the population based on Sample A? Explain.

6. What can you infer about the population based on Sample B? Explain.



ESSENTIAL QUESTION CHECK-IN

7. How can you use random samples to compare two populations?
