

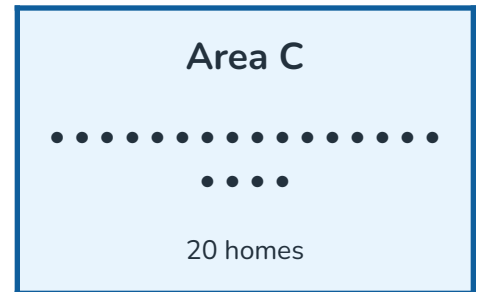
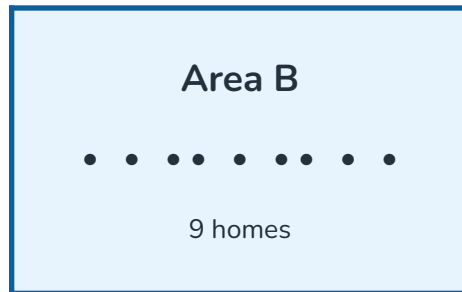
Week 6 Social Studies: Population Density



Adult Support Note: Population density compares the number of people living in equal-size areas. Learners can respond by pointing, circling, drawing dots, speaking aloud, or writing a "because" sentence with visible evidence.

Part 1: The Dot Model: Same Space, Different Crowds

Each box below shows the **exact same size** piece of land. Each dot represents a home where people live.



1. Circle or point to the area that has the **highest** population density:

☐ Area A

☐ Area B

☐ Area C

2. Circle or point to the area that has the **lowest** population density:

☐ Area A

☐ Area B

☐ Area C

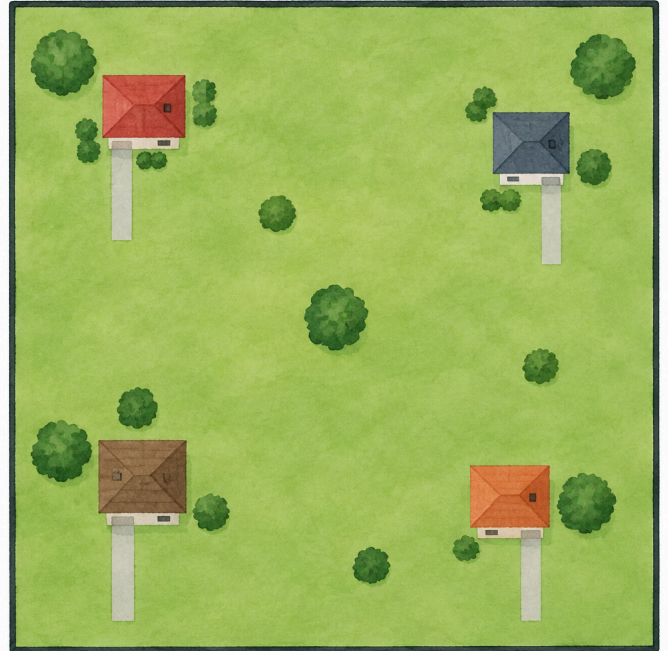
3. **Hands-On Space:** Draw dots inside this equal-size box to make a **low density** neighborhood.

Part 2: Comparing Two Places: Buffalo and Kendall

Detective Rule: Building height, home spacing, and open land can give us clues, but **no single clue proves density**. We must always compare equal-size areas or count population data!



Place 1: Buffalo, NY Block



Place 2: Kendall, NY Area

- Buildings are grouped close together.
- Many homes share one block.

- Homes are spaced far apart.
- Fields and open land sit between houses.

4. Look at the two equal-size areas above. Which place shows **higher** population density?

☐ Buffalo, NY

☐ Kendall, NY

5. **Evidence Sentence:** Complete or dictate the sentence below using one visible clue (such as spacing between homes or open land).

I know _____ has higher population density because:

.....

.....

.....

.....

Oral or drawing option: Point to the picture that has higher density and tell an adult your clue, or draw dots to show how close the homes are.

Part 3: Density Detective Check

6. In equal-size areas, why does an urban city block often have higher population density than a rural area?

- ☐ A) The city area has more open fields between homes.
- ☐ B) More people live in the same-size area when homes are grouped close together.
- ☐ C) People are spread farther apart in the city area.
- ☐ D) A street sign tells how many people live there.

7. Read Maya's clue card below.

Clue Card: *"Maya sees one neighboring house across a shared driveway."*

Can Maya prove the population density of the whole community from this **one** clue alone?

☐ **Yes**

☐ **No**

8. Explain why or why not:

Answers

1. Area C (20 homes in the same space shows the highest population density).
2. Area A (4 homes in the same space shows the lowest population density).
3. Student draws a small number of dots (such as 2 to 5 dots) spread widely apart across the box.
4. Buffalo, NY.
5. Model answer: I know Buffalo has higher population density because homes and buildings are grouped closely together with less open land between them, so more people share the same amount of space. (Accept oral responses, dictated sentences, or pointing with verbal explanation).
6. B) More people live in the same-size area when homes are grouped close together.
7. No.
8. One view or one building cannot prove density. You must compare equal-size areas or look at total population data for the whole area.