

BUILDING HOMES WITHIN A SET OF RULES

Start by cutting out the three colorful boxes at the bottom of this worksheet.

Imagine you are designing a town. The white squares in the grid represent land where you can build various types of housing. The black boxes represent the street.

You must build according to these rules:

- A single family home must take up 9 blocks.
- A two-family home (duplex) must take up 6 blocks.
- An apartment building consisting of 12 apartments takes up 9 blocks.

Questions:

How many single family homes could you fit in this grid? How many families does this accommodate?

How many two-family homes could you fit in this grid? How many families does this accommodate?

How many apartments could you fit in this grid? How many families does this accommodate?

What combination of homes would maximize the number of families in the space?

How do different zoning rules make your housing choices more inclusive or exclusive?

