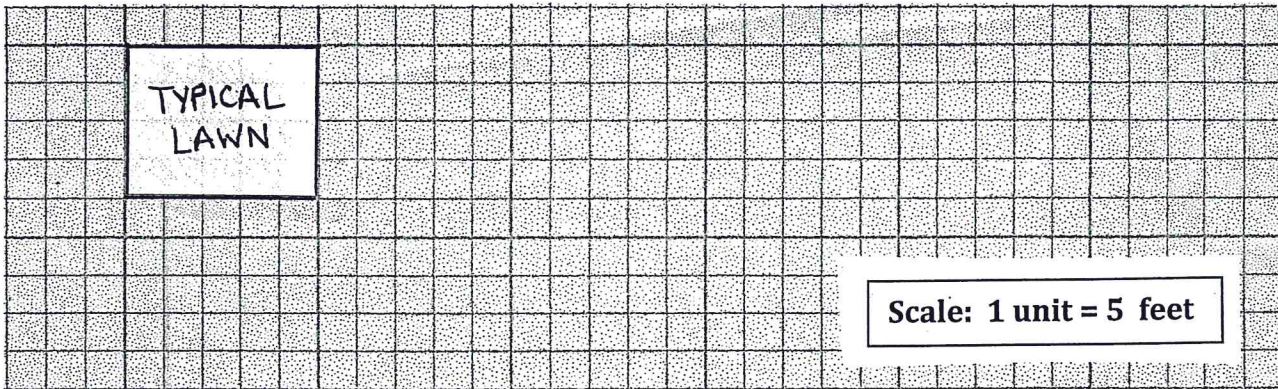


Calculating Actual Area from a Scale Drawing

A Better Paying Mowing Job, or Not?

Lola and Doug mow lawns on the weekends. Most of the lawns in their neighborhood are about the same size. One of her neighbors offered to pay them three times their regular price for mowing a lawn that is twice as wide and twice as long as their typical lawn. Lola thought that was a better deal, but Doug wasn't sure. What do you think?



Use the drawing to answer the questions below.

- How many feet does each unit of the grid represent? _____
- Use the drawing and the scale to calculate information about a typical lawn. **Show units.**
 - Length of the typical lawn: _____
 - Width of the typical lawn: _____
 - Area of the typical lawn: _____
- In the gridded space above, draw the outline of the bigger lawn with twice the length and twice the width as the typical lawn.
- Use your drawing of the bigger lawn to calculate the following information. **Show units.**
 - Length of the bigger lawn: _____
 - Width of the bigger lawn: _____
 - Area of the typical lawn: _____
- When the lengths of the lawn doubled, did the area double as well? _____
- How many times larger is the bigger lawn than the typical lawn?
- Is it a better deal to be paid three times the price of a typical lawn for the bigger lawn?