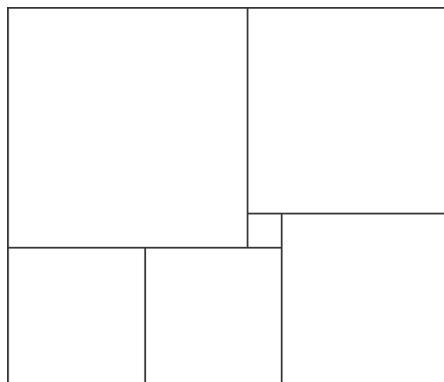


Math 4b. Homework 24.



1. There are 25 rows in a theater, 20 seats in each row.
 - a. If all tickets are sold, how many different ways are there for all people to seat?
 - b. If only 2 tickets are sold?
 - c. Only 10?

2. The rectangle is made up of squares.
Find the side length of the largest square if the side length of the smallest square is 1.



3. I drank $\frac{1}{6}$ of a cup of coffee and topped it off with milk.
Then I drank $\frac{1}{3}$ of a cup and added more milk. After that, I drank half a cup and filled it up with milk again. Finally, I drank a full cup.
So, what did I end up drinking more of — coffee or milk?
4. The length of a rectangle was increased by 40%, and the width was decreased by 40%. By what percentage did the area of the rectangle change?