

## Divisor Methods & Logarithmic Scales

## Math 111 - Workshop

A small town has four bus routes. The average number of passengers for each bus route is listed below. The town has 20 buses and would like to apportion the buses so that each route gets a number of buses proportional to the average number of riders.

Bus Routes				
Route	A	B	C	D
Average # of riders	432	272	831	465

Use the logarithmic scale below to mark the positions of all of the populations in the problem above on the same strip of paper.

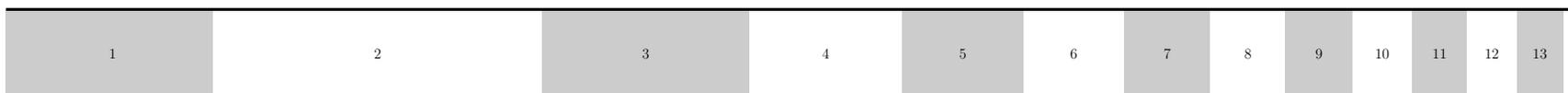


Then slide the strip along the three keys below to find the apportionment of buses, using Adam's, Jefferson's, and Hill's methods.

Adam's Method



Hill's Method



Jefferson's Method

