

TASK 8:

Complete the frequency densities.
The first one has been done for you.

mileage m	freq.	width	height f. d.
$240 \leq m < 280$	3	40	0.075
$280 \leq m < 320$	6		
$320 \leq m < 340$	8		
$340 \leq m < 360$	11		
$360 \leq m < 380$	6		
$380 \leq m < 420$	4		
$420 \leq m < 460$	2		

$$\text{area} = \text{width} \times \text{height}$$

So

$$\begin{aligned} \text{height} &= \text{area} \div \text{width} \\ \text{frequency density} &= 3 \div 40 \\ &= \mathbf{0.075} \end{aligned}$$