

Student Work Sample B

Activity Sheet

High Flyin'



On an airplane that is two-thirds full, 20% of the passengers are women, one-fourth of the passengers are boys, one-eighth of the passengers are men, and there are 68 girls.
How many seats are on the plane? Girls 68

$$\begin{aligned} 68 \text{ girls} & \quad \frac{1}{5} = \frac{x}{360} \quad 5x = \frac{360}{5} \\ \frac{1}{5} \text{ women} & \quad \frac{1}{4} = \frac{x}{360} \quad 4x = \frac{360}{4} = 90 \\ \frac{1}{4} \text{ Boy's} & \quad \frac{1}{8} = \frac{x}{360} \quad 8x = \frac{360}{8} = 45 \\ \frac{1}{8} \text{ Men} & \end{aligned}$$

$$\frac{68}{40} = 1.7$$

