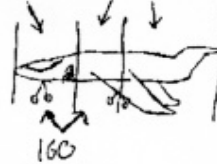


Student Work Sample C

women = 20% Men = 12.5% boys = 25% Girls = 42.5% Amount Full = 66.6%	To find how many people $\frac{68}{x} = \frac{42.5}{100} = 160$	To find # of seats $\begin{array}{r} 160 \\ + 80 \\ \hline 240 \end{array}$ 
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Explanation:

To find the total number of seats on the airplane I first had to convert all the fractions into percents. By adding the percents men, women, and boys and subtracting it from the hundred, I found the percent of girls. To find the total number of people on the plane I multiplied the number of girls, times one hundred, divided by forty-two point five. Now that I had the total number of people, I drew a diagram of the plane and cut it in thirds. Because two-thirds is one hundred-sixty, I divided it by two to find the other third, it was eighty. Then I added one hundred-sixty to eighty and got the final answer. There are two hundred-forty seats.

