## Solution Wolff exercise 2.9

A straight forward approach is the following. Let $2 a$ be the total number of miles of the trip. The gas consumption $R$ will be $R=\frac{a}{40}+\frac{a}{20}=\frac{3 a}{40}$. To obtain the mileage we get $\frac{2 a}{R}=\frac{80}{3}$.

