Answer on Question #75801, Math / Algebra

A Mercedes-Benz C-class is filled with R300.00 worth of petrol. With this amount of petrol, the car can cover a distance of 420 km. What distance will the car travel if it is filled with R500.00 worth of petrol? Use the concept of rate

Solution

Suppose x is distance the car will travel if it is filled with R500.00 worth of petrol.

According to the given data we have:

Worth of petrol	R300.00	R500.00
Distance	420 km	x

300.00/420 = 500/x;

x= 700.

Answer: 700 km