Corn can be grown at a rate of 1,000 kcal per hectare, and it takes 20 times more land to produce beef than it does to produce corn. Which of the following equations would correctly calculate the amount of land needed to produce 10,000 kcal of beef?

The combustion of one gallon of automobile fuel produces about 5 pounds of carbon (in CO2). Two autos are making a trip of 600 miles. The first auto gets 20 miles per gallon, and the second gets 30 miles per gallon. Approximately how much *less* carbon (in CO2) will be produced by the second auto on this trip?