PUBLIC VS PRIVATE TRANSPORTATION

Country	1. What is the population of your town? How many private and public cars are there in your country?	2. What are the main modes of transportation in your town to get to work, school, shopping or for other purposes?	3. How much is a litre of gasoline in your town? What's the annual cost of using a private car and public transportation per person? (in euro)	4. How much energy could be regained if people used environmentally-friendly modes of transportation (bicycle, walking, carpool...) instead of vehicles running on gasoline in your town?	5. What are the actions taken by your government to mitigate the environmental effects of CO2 emission of vehicles on the road?	6. Compare the amount of gasoline consumption of a bus for 30 people to a car for only one person.	7. How many students in your school get to school by public vehicles, on foot and by bicycle?
Greece	Drama has almost 45000 inhabitats.	1. By car 2. By taxi 3. By bus 4. By bicycle 5. On foot	One litre of gasoline costs about 1.65€. An average car is used for about 10-15.000km per year. An average consumption of a family midsize car is about 8-12 litres of gasoline per 100km. As a result, the annual consumption of a family car is about 800-1800 litres of gasoline or 1320-2970 € . We have to add taxes and insurance, an average 600€ for 1600cc. On the other hand using public transportation will cost 25-35 € per month or 300 – 420 € per person per	If people were using environmental – friendly modes of transportation the gain of gasoline would be : On foot, by bicycle or carpool, at least 400-1000liters of gasoline per year per vehicle. We have to consider that people who have a car sometime will use it anyway, because of bad weather, long distances, children etc.	1. People can buy a new euro 5 car cheaper in case they withdraw the old car that might have. 2. New cars (euro 5) hybrids or electric have less or 0 annual taxes. 3. The government subsidizes the fare for urban busses so that people are using it more often.	An average midsize car consumes 8-12 litres of gasoline or 5-8 litres of diesel for every 100km. A small city bus consumes 30-50 litres of diesel for every 100km carrying 30 people. As a result 30 people using their cars would consume 240-360 litres of gasoline or 150-240 litres of diesel for every 100km	In our school about 50% of the students are using public vehicles. The rest come to school on foot. A very small amount comes to school by bicycle. A very small amount also, comes to school by their own car.

			year (we have to consider that sometimes the car carries 2-3 persons so the cost of using the bus will rise to about 900€ per family). In case we use diesel or hybrid powered car the margin will be less.				