Video 1 –

Car sharing helps reduce CO_2 emissions.

TRUE

As long as people use this solution instead of using their own car.

Car sharing does not help reduce CO_2 emissions if people who decide to car share usually take public transport, such as the bus or subway.

Video 2 –

A bus necessarily emits more CO_2 than a car.

FALSE

It is not the size of the vehicle or the number of passengers that matters but the type of engine used.

If a bus runs on an electric motor or natural gas and a car uses a petrol or diesel internal combustion engine, the bus will emit less CO_2 than the car.

Video 3 –

Traveling by 2 also reduces the amount of CO_2 emissions by 2.

FALSE

Traveling by 2 means reducing the carbon footprint of each passenger by 2.

However, the amount of CO_2 released by the vehicle stays the same.

This is true for car sharing, when drivers travel in the same car instead of taking two separate cars.

Video 4 –

Trams emit the least CO_2 of all modes of transportation.

FALSE

Trams emit an average of 3.8 g of CO_2/km, just like suburban or subway trains.

By comparison, a car emits an average of 112 g of CO_2/km.

There are other types of transportation that have even lower emissions.

Do you know what they are?

Answer: Bicycle/Scooter/Roller blades

Video 5 –
There is public transportation runs on electricity

TRUE

More and more public transportation runs on electricity.

Subways are powered by electricity from the tracks. So are some trams.

Other trams are powered by a trolley running on 2 overhead lines.

Buses are equipped with rechargeable batteries, like electric cars.

Video 6 –

Taking a train emits less CO_2 than taking a car.

TRUE

On average, a small car emits 3 times more CO_2 per kilometer and passenger than a train.

But where the electricity used to power the train comes from is also important.

More CO_2 is emitted if electricity is produced by a coal-fired power plant than if it is produced by a nuclear power plant or wind turbines.