

How Much Does a Car Really Cost?

You will choose a car and research what it would “cost” to own over a period of one year.

1. Select a Car
 - Technical data
 - Make, model
 - Engine size (in liters)
 - Retail cost
 - Fuel efficiency
 - Annual maintenance
 - Annual mileage-15,000 miles per year
 - Fuel cost (price of gas)
2. Operating Costs
 - Calculate annual operating costs
 - Fuel consumption (annual mileage/ fuel efficiency)
 - Annual operating cost (fuel cost for the year + maintenance +insurance +registration fees (\$65))
3. Yearly cost of ownership
 - Down payment + 12 monthly payment + insurance + repairs (\$200)
4. Annual emissions
 - CO₂ emissions= (annual fuel consumption x tailpipe emission factor (2.36 kg/L or 8.93 kg/gal))
 - Upstream emissions = (annual fuel consumption X 0.65 kg/L or 2.65 kg/gal)
 - Add the two together