



Hi, I'm Ethan and I am an engineer. I am a part of a team that designs electric cars. Have you heard about them?

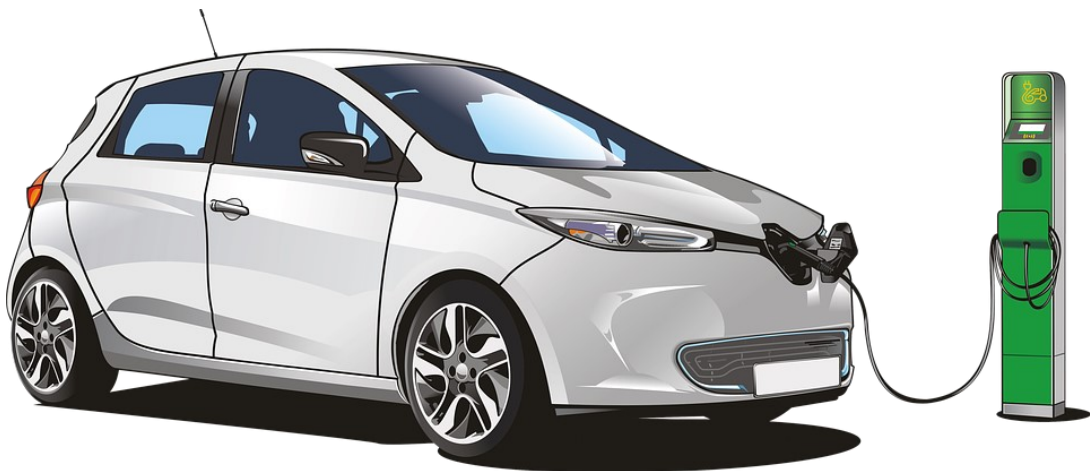
Ethan's team has just designed a car called "Innocens" that comes with two battery options:

OPTION 1: The regular—"Innocens 100" - has a one-charge range of 200 km. This means you could travel 200 km on a single charge. The car costs €22,000.



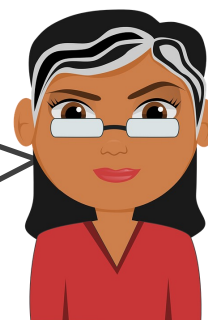
Innocens 100

OPTION 2: The longer-range—"Innocens 200" - has a one-charge range of 250km. This means you could drive 250km without the need to recharge the car. This car is more expensive, it costs €26,000.



Innocens 200

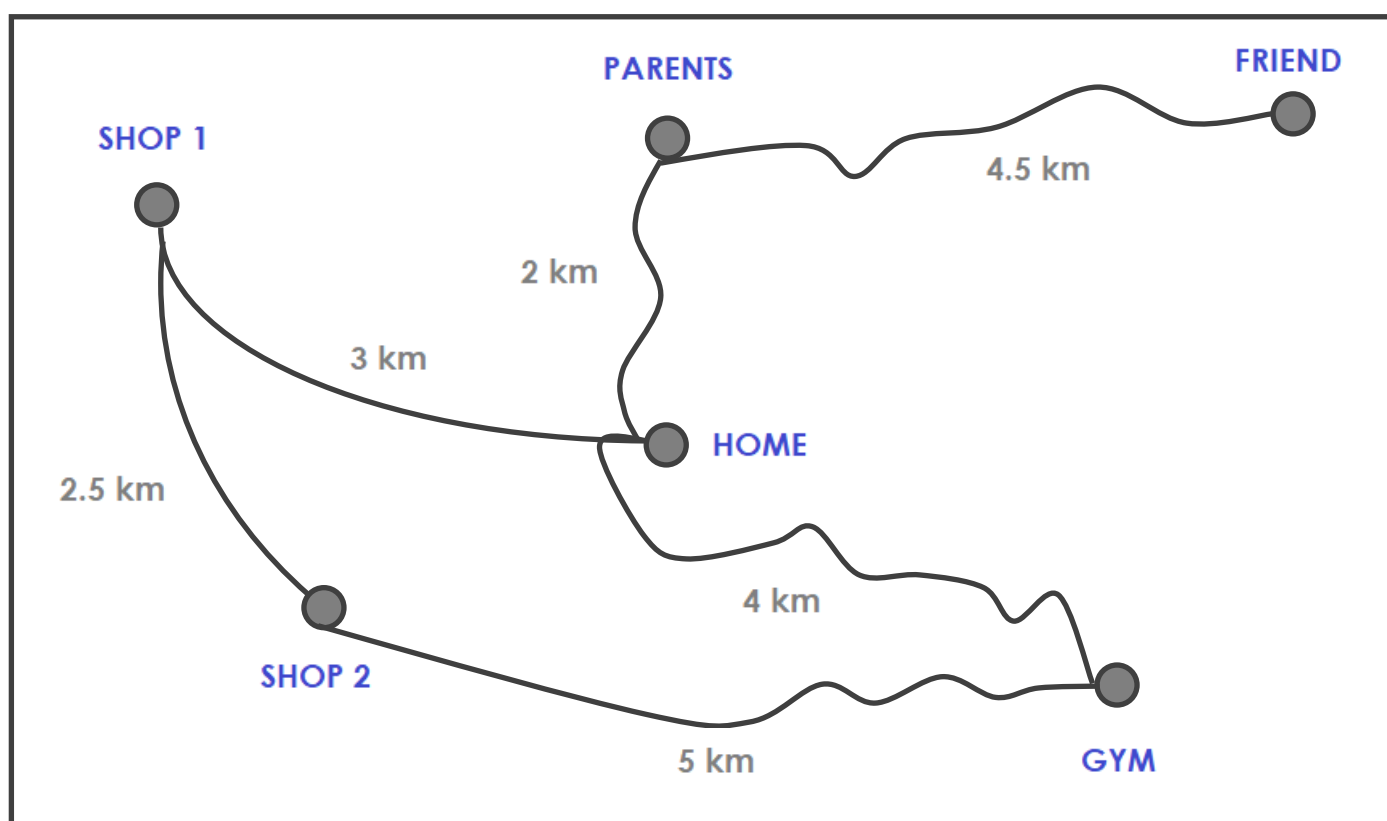
Hi, I'm Elisabeth. I want to buy the new "Innocens" vehicle, but I'm not sure which one. I work from home so I don't drive much. I don't want to charge the car more often than once a week and I don't want to spend too much money either...



Here is Elisabeth's **daily** driving schedule:

Morning: HOME—SHOP 1 — SHOP 2 — GYM — HOME

Evening: HOME — PARENTS — FRIEND — HOME



Remember, Elisabeth only wants to charge her car once a week. Will the cheaper car, the *Innocens 100*, suit her or will she need to buy the *Innocens 200*?

Calculations: _____

Answer: _____