

4. Paula is running a marathon, after $1\frac{1}{2}$ hours she has gone 16 km of the 40.2 km total distance. What will be her finishing time in hours if she runs the same speed the whole race?
5. You have decided to buy a new car and must choose between a regular model and a hybrid model. The hybrid model uses less fuel since it uses an electric motor to power the car when it is possible.

Model	Purchase Price	Average fuel economy
Regular	\$25,310.00	7.7L per 100km
Hybrid	\$27,980.00	5.7L per 100km

Gas costs \$1.49 per liter, how many kilometers will you have to drive the Hybrid until the savings on fuel equals the difference in purchase price?