EXERCISE 2.3 - ELECTRIC SCOOTER

Input data:

Battery Nominal Voltage	42	V

Battery capacity unknown

Starting from Battery SOH 75% and SOC 80%

Total weight: 98kg

Smooth cement road type.

No slope on the road.

1. What will be the energy needed in the battery in these conditions to be able to travel a distance of 10 km, traveling at 20 km/h and discharging the battery until 10%?

2. What was the battery nominal energy when it was new?

Use the excel tool to make the exercise