

L3Q1	How much energy does it take to accelerate a 2200kg car from 0 to 60 mph?	792000	J	792	kJ
L3Q2	What is the energy input needed if the engine/drive train losses are 70%?	2640000	J	2.64	MJ
L3Q3	A certain gas car gets 50 km/gal (ave). How much energy does it take to get to Chicago?	475.2	MJ		
L3Q4	What is the average power needed to lift 500 kg by 2 meters every minute?	167	W	0.167	kW
L3Q5	What is the power needed to expend 800kJ in five seconds?	160000	W	160	kW
L3Q6	What is the charge moved through 400V to provide 800kJ of energy?	2000	C		
L3Q7	What is the average current if the energy in Q5 is provided in five seconds?	400	A		