Electrical energy used = power x time

Kilowatt hour = Watt hour ÷ 1000

Cost of electrical use = Energy used x cost per kWh

ALL STUDENTS	A TV has a power of 150W and is on for 3 hours. How much energy is transferred in kwh?	A TV has a power of 150W and is on for 4 hours. How much energy is transferred in kwh?	A TV has a power of 150W and is on for 6 hours. How much energy is transferred in kwh?	A TV has a power of 150W and is on for 8 hours. How much energy is transferred in kwh?
	Power = 150W time = 3h Energy used = power x time Energy used = 150 x 3 Energy used = 450Wh Kilowatt hour = 450 ÷ 1000 Energy used = 0.45kWh	Power = 150W time = 4h Energy used = power x time Energy used = 150 x 4 Energy used = _____ Wh Kilowatt hour = _____ ÷ 1000 Energy used = _____ kWh	Power = _____W time = _____h Energy used = _____ x _____ Energy used = _____ x _____ Energy used = _____ Wh Kilowatt hour = _____ ÷ _____ Energy used = _____ kWh	
	A washing cycle transfers 1.8kWh of energy. If it costs of 15p per kWh, how much will it cost?	An Xbox transfers 1.1kWh when being used. At a cost of 13.5p per kwh, how much will it cost to use it?	A hair dryer transfers 1.6kWh of energy in a day. At a cost of 14.5p per kwh, how much will it cost to use?	An electric shower transfers 42kWh in one day. At a cost of 17.3p per kwh, how much does it cost to run?
	Cost = energy used x cost per kWh Cost = 1.8 x 15 Cost = 27p	Cost = energy used x cost per kWh Cost = 1.1 x 13.5 Cost = _____p	Cost = _____ x _____ Cost = _____ x _____ Cost = _____p	
CHALLENGE YOURSELF	A kettle uses 1500W of power for 0.25hours. How much energy is transferred in kWh?	A fridge uses 250W of power. How many kilowatt hours will it transfer in 1 day?	If it costs 15p per kwh to run the fridge, how much will it cost in 1 week?	A laptop has a power of 250W and is used for 6 hours a day. If it costs 13.5p per kwh, how much will it cost to run in a 5-day school week?