Question 24637

$m=12000\,kg\,,\,v_2=20\,m/s\,,\,v_1=16\,m/s$

Work done on the car is the difference of kinetic energies, when car had final and initial velocity. $A=-(T_2-T_1)=\frac{-m}{2}(v_2^2-v_1^2)=-86400\,J$ (we obtain negative sign, because work was done on car). So, the work done on car is $86400\,J$.