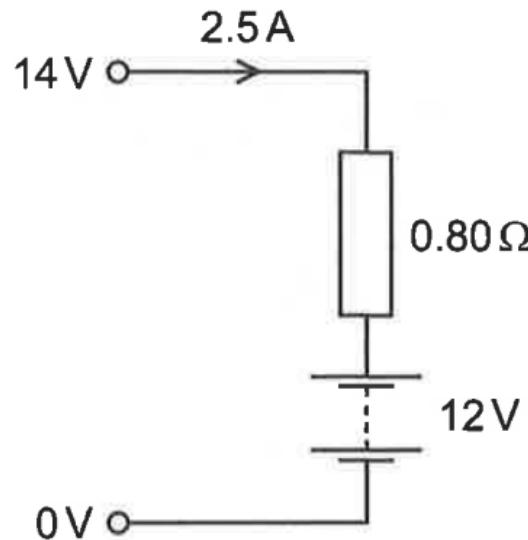


- 23 A 14V d.c. supply is used to charge a 12V car battery through a  $0.80\Omega$  resistor at an average current of 2.5A for six hours.



How much electrical energy is provided by the supply?

A 13kJ

B 110kJ

C 650kJ

D 760kJ

- 24 A circuit contains a battery, two resistors X and Y, and a variable resistor.