

- 34** The charge that a fully-charged 12 V car battery can supply is 100 kC. The starter motor of the car requires a current of 200 A for an average period of 2.0 s. The battery does not recharge because of a fault.

What is the maximum number of times the starter motor of the car can be used?

- A** 21 **B** 25 **C** 42 **D** 250

- 35** The diagram shows a circuit containing three resistors in parallel.