

**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.