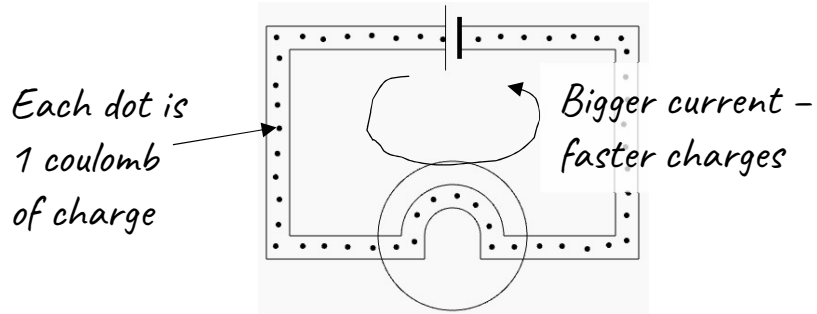
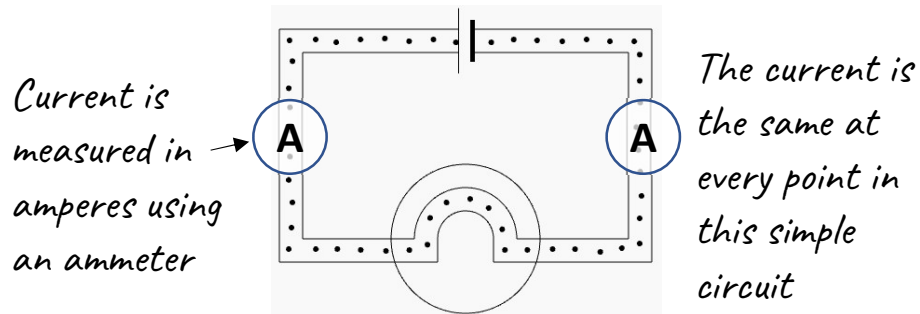


Charge and Current – all about flow



☺ The charges are already there – they don't come from the battery. They start moving everywhere at the same time. They move through the wires slower than a snail.

Measuring current – timing charges



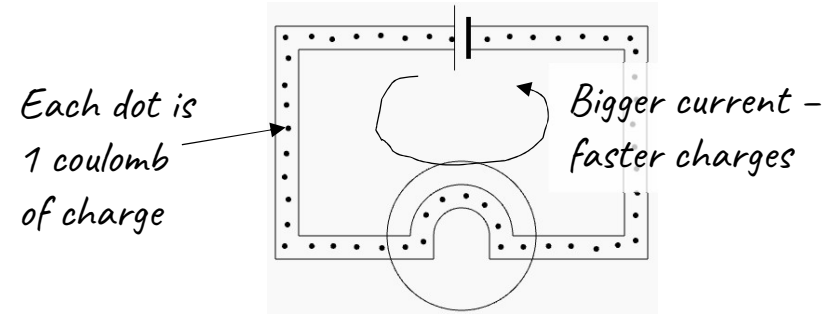
☺ Current in amperes is the number of coulombs of charge passing a point each second.

Ammeters are connected in series so all the current flows through them.

current = charge / time (flowing past a point)

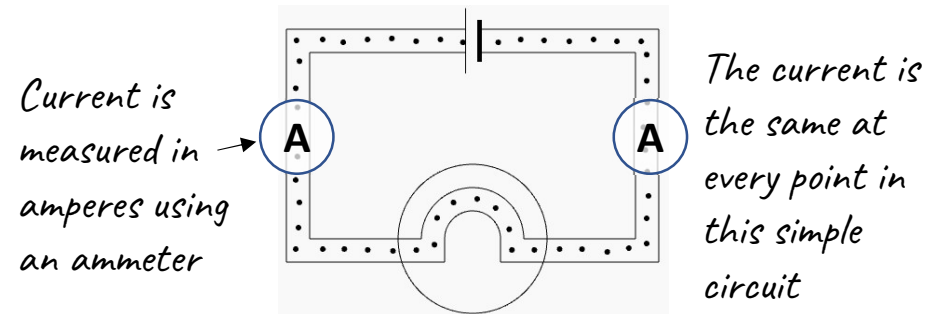
charge = current x time (flowing past a point)

Charge and Current – all about flow



☺ The charges are already there – they don't come from the battery. They start moving everywhere at the same time. They move through the wires slower than a snail.

Measuring current – timing charges



☺ Current in amperes is the number of coulombs of charge passing a point each second.

Ammeters are connected in series so all the current flows through them.

current = charge / time (flowing past a point)

charge = current x time (flowing past a point)