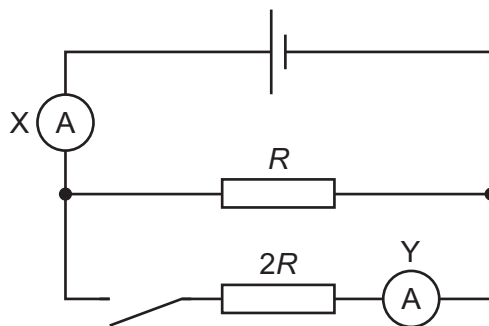


- 30** The diagram shows a cell of negligible internal resistance connected to a switch and two resistors of resistances  $R$  and  $2R$ .



The circuit also contains two ammeters X and Y.

The reading on X is  $4.0\text{ A}$  when the switch is open.

What are the readings on X and Y after the switch is closed?

	reading on X/A	reading on Y/A
<b>A</b>	4.0	1.3
<b>B</b>	4.0	2.7
<b>C</b>	6.0	2.0
<b>D</b>	6.0	4.0