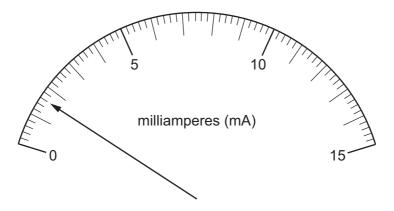
1 A 0.10 kg mass is taken to Mars and then weighed on a spring balance and on a lever balance. The acceleration due to gravity on Mars is 38% of its value on Earth.

What are the readings on the two balances on Mars? (Assume that on Earth  $g = 10 \,\mathrm{m\,s^{-2}}$ .)

	spring balance/N	lever balance/kg
Α	0.38	0.038
В	0.38	0.10
С	1.0	0.038
D	1.0	0.10

- 2 What is equivalent to the unit of electric field strength?
  - A JCm<sup>-1</sup>
- B NsA<sup>-1</sup>
- **C**  $kg m s^{-3} A^{-1}$
- **D**  $kg m^3 s^{-3} A^{-1}$
- 3 The diagram shows the reading on an analogue ammeter.



Which digital ammeter reading is the same as the reading on the analogue ammeter?

	display units	display reading
Α	μΑ	1600
В	μΑ	160
С	mA	16.0
D	Α	1.60

Space for working