

- 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  $g = 10 \text{ ms}^{-2}$ .)

	spring balance/N	lever balance/kg
A	0.38	0.038
B	0.38	0.10
C	1.0	0.038
D	1.0	0.10

- 2 What is equivalent to the unit of electric field strength?