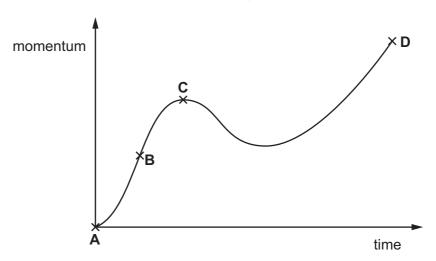
9 A man weighs 240 N on Mars where the acceleration of free fall g is $4 \,\mathrm{m\,s^{-2}}$. On the Moon, g is $2 \,\mathrm{m\,s^{-2}}$.

Which statement is correct?

- A The man has a mass on Mars of 60 N.
- **B** The man has a mass on the Moon of 120 kg.
- **C** The man weighs 120 N on the Moon.
- **D** The man weighs 240 N on the Moon.
- **10** A body experiences a varying resultant force that causes its momentum to vary, as shown in the graph.

At which point does the resultant force have the largest value?



Space for working