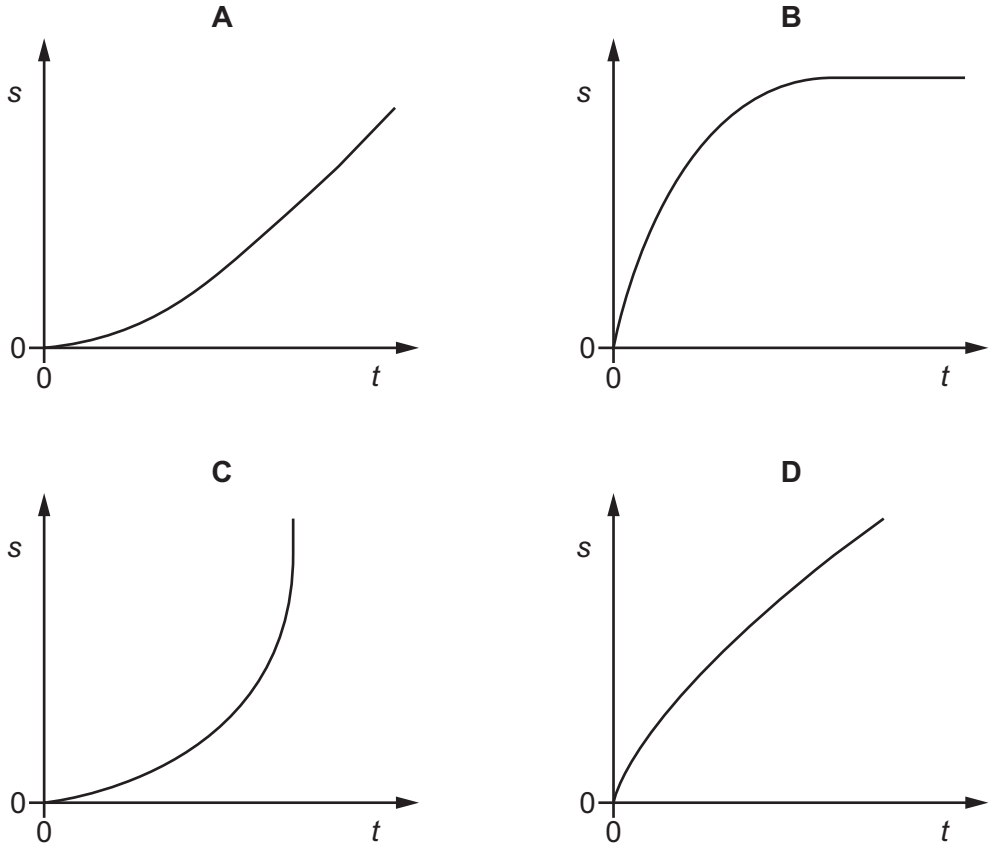
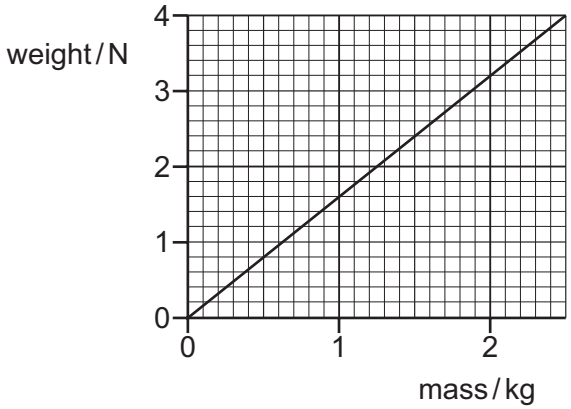
6 A tennis ball falls freely, in air, from the top of a tall building.

Which graph best represents the variation with time *t* of the distance *s* fallen?



7 The graph shows the variation with mass of the weight of objects on a particular planet.



What is the value of the acceleration of free fall on the planet?

A $0.63\,m\,s^{-2}$ **B** $1.6\,m\,s^{-2}$ **C** $3.2\,m\,s^{-2}$ **D** $9.8\,m\,s^{-2}$