11 The planet Jupiter has a radius of 7.15×10^7 m and is approximately 318 times more massive than the Earth.

Given that the Earth has a radius of 6370 km, find the acceleration due to gravity on the surface of Jupiter.

A 2.41×10^{-5} N kg^{-1} **B** 2.73×10^{-3} N kg^{-1} **C** 24.8 N kg^{-1} **D** 273 N kg^{-1}