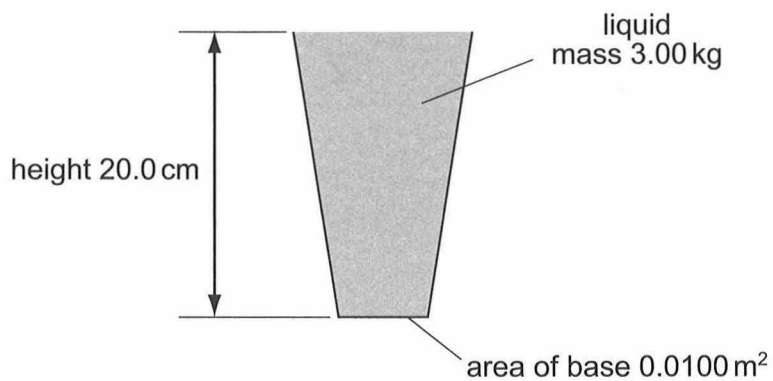7 The diagram shows a jar, with the dimensions shown, containing a liquid of mass 3.00 kg and density 600 kg m^{-3}. The liquid exerts a pressure on the base of the jar.

liquid
mass 3.00 kg

height 20.0 cm

area of base 0.0100 m^2

What is the pressure exerted by the liquid on the base of the jar?

A 1.18×10^3 Pa

B 2.94×10^3 Pa

C 1.18×10^5 Pa

D 2.94×10^6 Pa