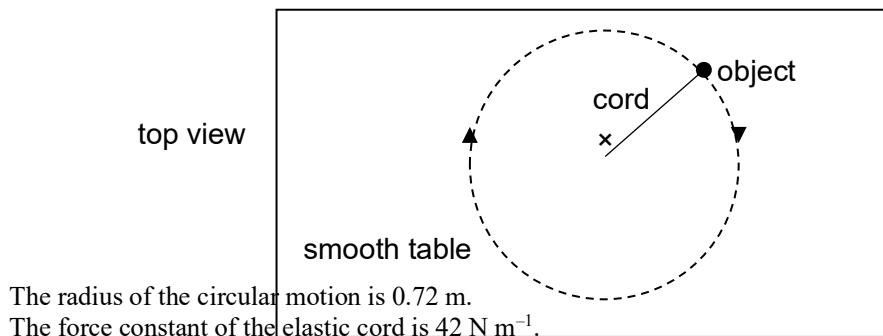


- 8** An object of mass 0.80 kg is attached to an elastic cord and performs a circular motion on a smooth horizontal table with a constant speed of 3.2 m s^{-1} .



What is the unstretched length of the elastic cord?

A 0.27 m

B 0.45 m

C 0.60 m

D 0.64 m