

- 8** A ball of mass 0.10 kg is attached to a string and swung in a vertical circle of radius 0.50 m . The speed of the ball at the top of the circle is 6.0 m s^{-1} .

What is the tension in the string at this instant?

A 0.98 N

B 6.2 N

C 7.2 N

D 8.2 N