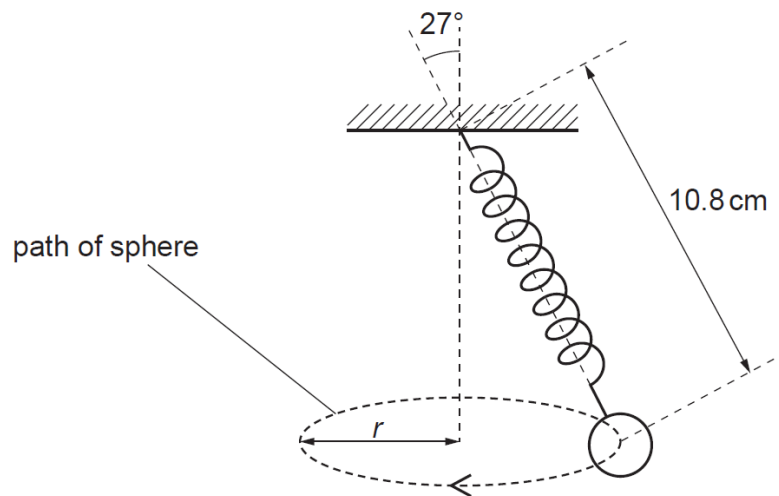


- 10** A steel sphere is set in motion so that it is moving in a horizontal circle at constant speed with a radius r , as shown below.



The distance from the centre of the sphere to the top of the spring is 10.8 cm and the spring is tilted at 27° from the vertical.

What is the period of the circular motion of the sphere?

- A** 0.62 s
- B** 7.9 s
- C** 6.2 s
- D** 79 s