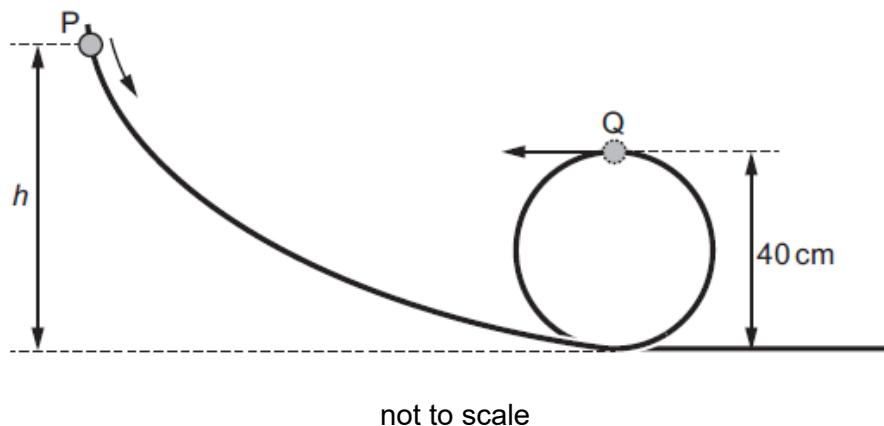


- 10 A bead is released from rest at point P and slides along a wire, as shown.



The wire loops around and forms a vertical circle of diameter 40 cm. At point Q, the bead is just in contact with the wire. Air resistance and friction on the wire are negligible.

What is the height h from which the bead is released?

A 0.30 m
D 0.60 m

B 0.40 m

C 0.50 m