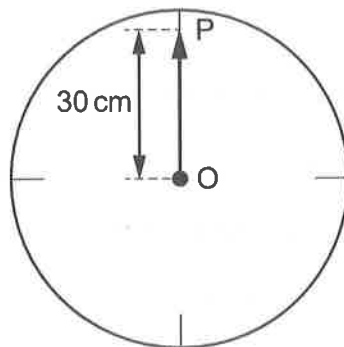10 The diagram shows the minute hand OP of a large clock.

The length of the minute hand is 30 cm.

The minute hand is designed to complete one revolution in 60 minutes.

However, the minute hand is slow and takes 66 minutes to complete one revolution.

What is the average speed of point P?

A $4.8 \times 10^{-4}\,\text{m s}^{-1}$

B $5.2 \times 10^{-4}\,\text{m s}^{-1}$

C $2.9 \times 10^{-2}\,\text{m s}^{-1}$

D $3.1 \times 10^{-2}\,\text{m s}^{-1}$

11   For an object of mass m at a point near the surface of the Earth, the weight W of the object is