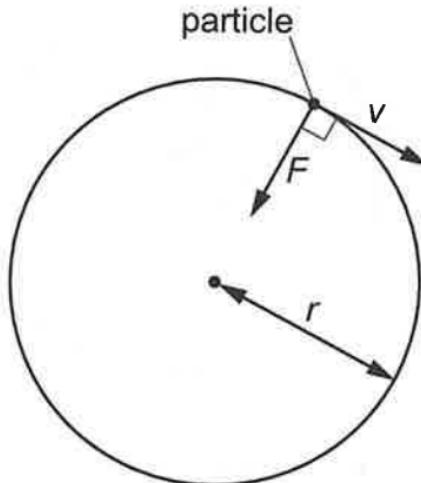


13 A particle of mass m moves in a circle of radius r with a constant speed.



A force F acts at right angles to the velocity v of the particle causing it to move in the circle.

What is the speed of the particle?

A $\frac{F}{mr}$

B $\sqrt{\frac{F}{mr}}$

C $\frac{Fr}{m}$

D $\sqrt{\frac{Fr}{m}}$