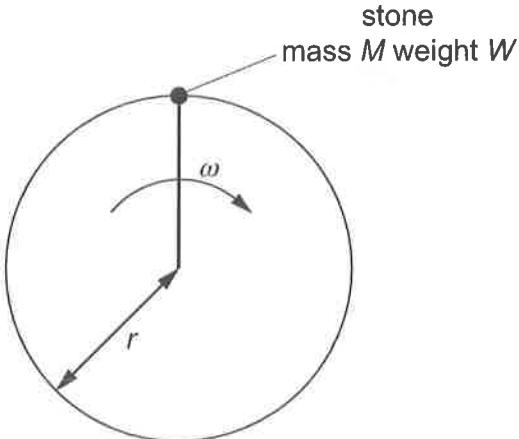


- 10 A stone of mass M and weight W is attached to a string and is rotating in a vertical circle of radius r . The stone has an angular velocity ω when it is vertically above the centre of the circle.



What is the tension in the string acting downwards on the stone when the stone is vertically above the centre of the circle?

- A $Mr\omega^2 - W$ B $Mr\omega^2$ C $W - Mr\omega^2$ D $W + Mr\omega^2$