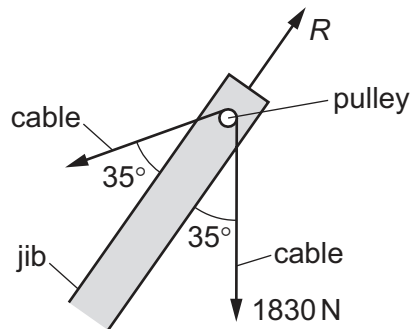


- 13** The diagram shows the jib of a crane at an angle of 35° to the vertical. A cable passes over a frictionless pulley and carries a load of 1830 N.



The force R that the pulley exerts on the cable is in line with the jib. The cable and the pulley are in equilibrium.

What is the value of R ?

- A** 1000 N **B** 1500 N **C** 2100 N **D** 3000 N

- 14** What is a unit for density?