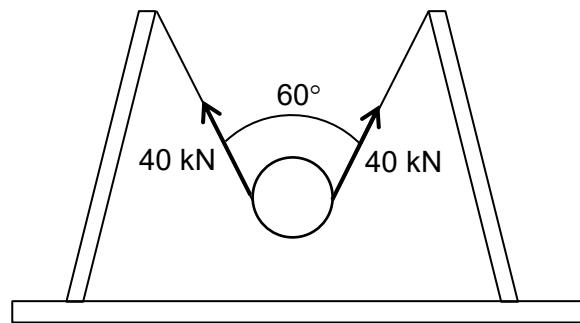


- 6** In reverse bungee jumping, passengers in a spherical cage are pulled upwards by a pair of elastic cords attached to the side of the cage as shown.

The weight of the passengers and the cage is W .



What is the maximum value of W if the passengers and the cage are flung upwards with an acceleration of g ?

A 20 kN

B 35 kN

C 46 kN

D 69 kN