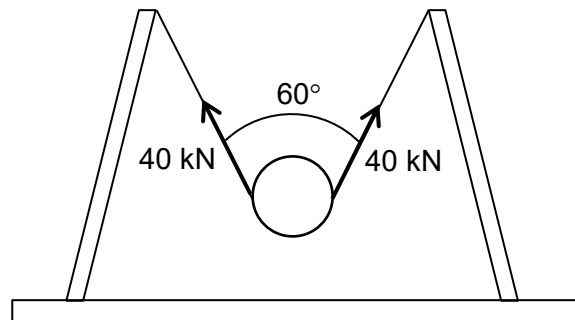


- 6** In reverse bungee jumping, passengers in a spherical cage are pulled upwards by a pair of elastic cords attached to the side of the cage as shown.

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