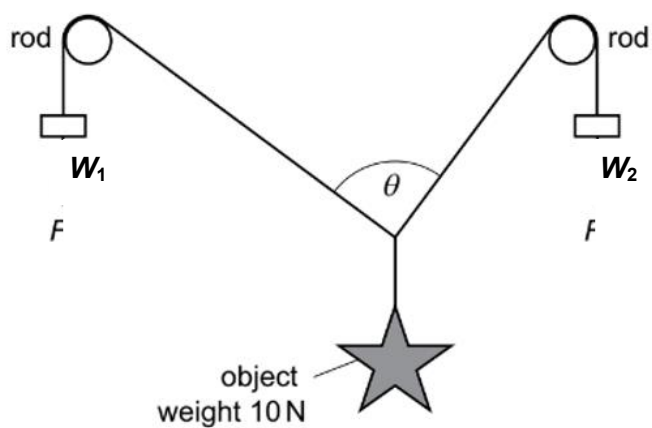5   An object hangs by means of two cords around two rods, as shown in the diagram below.

The object is held in equilibrium by the weights W_1 and W_2, such that it is nearer to W_2.

The object weighs 10 N. There is negligible friction between the rods and cords.

Which pair of weights gives an angle θ of 90°?

	W_1 / N	W_2 / N
A	4.0	6.0
B	5.0	5.0
C	6.0	8.0
D	8.0	6.0