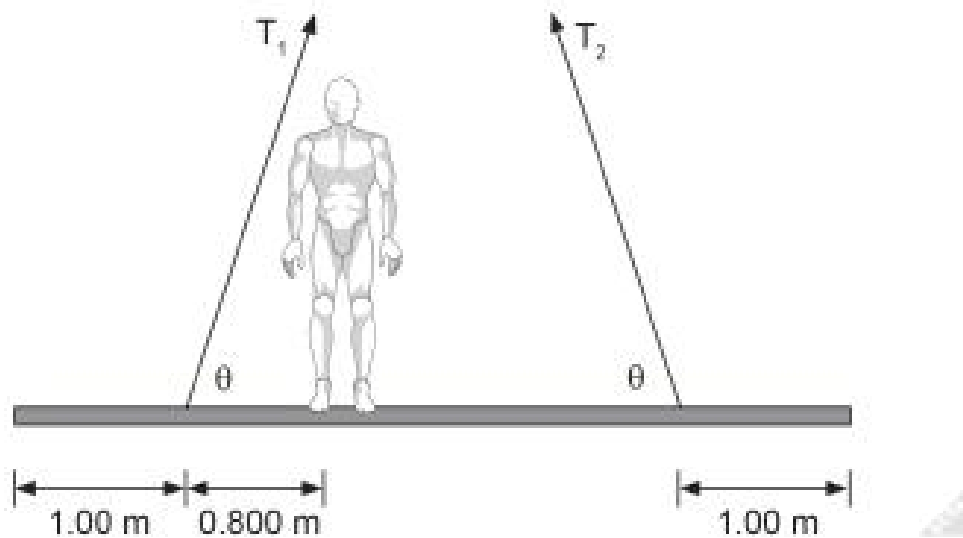


Question 9**(5 marks)**

A window washer ($m = 65.0$ kg) is on a 5.00 m long, 15.0 kg scaffold supported by two ropes attached to it. The angle between scaffold and rope (θ) is 75.0° .



Calculate the tension in each rope in the above situation, given that the scaffold is in equilibrium.