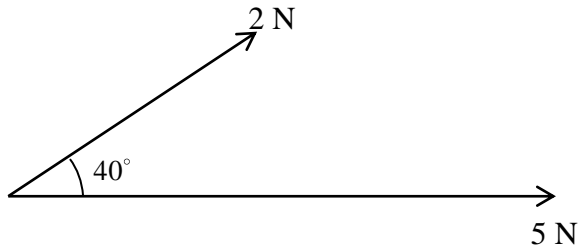


- 9** Two forces, of magnitudes 2 N and 5 N, act on a particle in the directions shown in the diagram below.



- (a) Calculate the magnitude of the resultant force on the particle. [3]
- (b) Calculate the angle between this resultant force and the force of magnitude 5 N. [1]