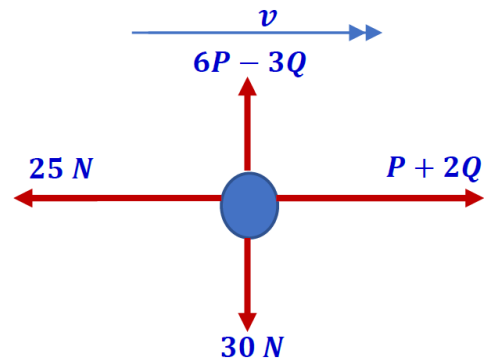


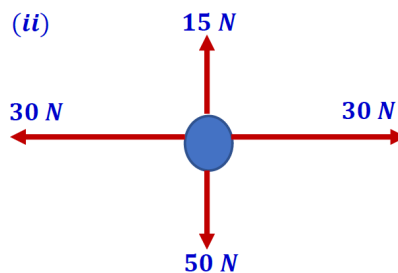
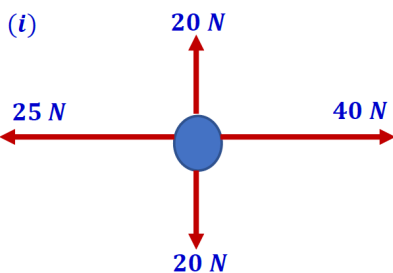
- ① The diagram shows a particle moving with velocity, v , find the values of P and Q



- ② Each of the diagrams show the forces acting on a particle.

(a) Work out the size and direction of the resultant force.

(b) Describe the motion of the particle.



(b) Given that the resultant force on the car is 5400 N in the direction of motion, and that the magnitude of the driving force is ten times the magnitude of the resistance force, calculate the magnitude of the resistance.

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