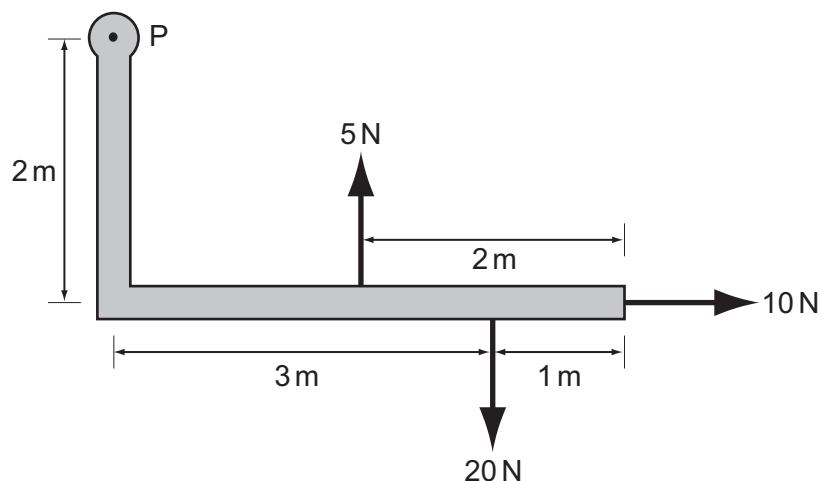


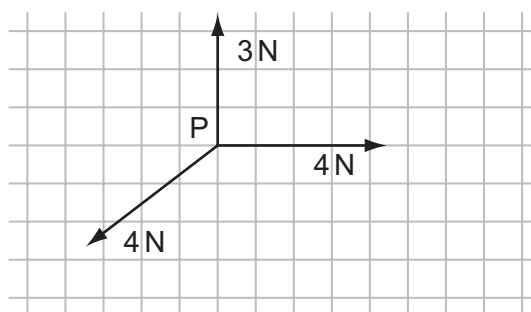
- 13 An L-shaped rigid lever arm is pivoted at point P.



Three forces act on the lever arm, as shown in the diagram.

What is the magnitude of the resultant moment of these forces about point P?

- A** 30 Nm **B** 35 Nm **C** 50 Nm **D** 90 Nm
- 14 The vector diagram shows three coplanar forces acting on an object at P.



The magnitude of the resultant of these three forces is 1 N.

What is the direction of this resultant?

- A** ↓ **B** ↘ **C** ↙ **D** ↗