

- 10 Diagram 1 shows two parallel forces F acting on a bar of length l pivoted at P. The forces give rise to a couple of torque M .

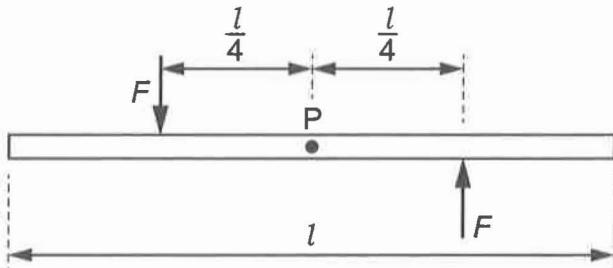


diagram 1

In diagram 2, the lines of action of both forces are moved a distance $\frac{l}{4}$ to the left.

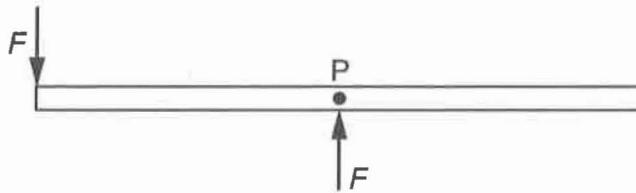


diagram 2

What is now the torque of the couple?

A 0

B $\frac{M}{2}$

C M

D $2M$