6 Diagram 1 shows two forces *F* acting on a circular disc of radius *r*. The disc is pivoted at a fixed point O which is the center of the disc. The forces give rise to a net moment *M*.

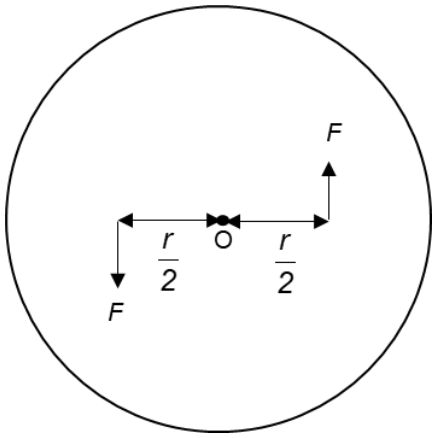

Diagram 1

In diagram 2, the lines of action of forces are moved to new points.

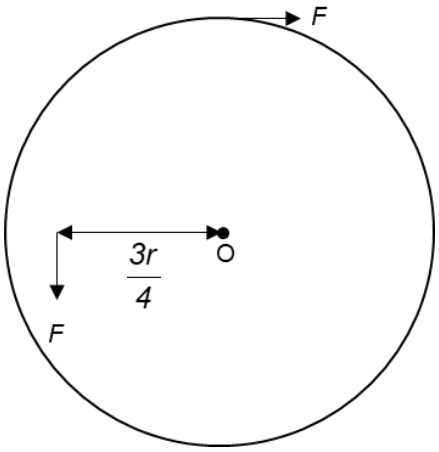

Diagram 2

What is the net moment now?

	magnitude	direction
A	$\frac{M}{4}$	anti-clockwise

B	$\frac{M}{4}$	clockwise
C	$\frac{4}{3}M$	anti-clockwise
D	$\frac{4}{3}M$	clockwise