12 A uniform rod of weight 20 N and length 2.0 m is acted upon by two vertical forces, as shown.

15 N   5.0 N

What are the resultant force acting on the rod and the resultant moment about the centre of gravity of the rod?

	resultant force /N	resultant moment /Nm
A	0	10
B	0	20
C	20	10
D	20	20

13 Three coplanar forces act on a block.

Which diagram shows the directions of the forces such that the block could be in equilibrium?

A

B

C

D