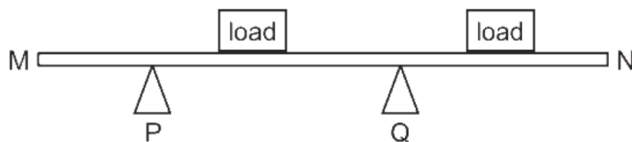


Question 1

The diagram shows a metre rule MN on two supports, P and Q.

Two loads are placed on the rule, as shown.



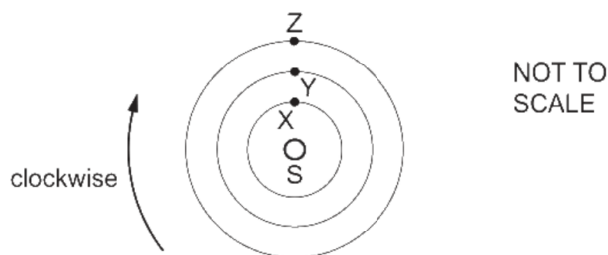
The rule rests steadily on the supports.

Which row is correct?

	total moment about M	total moment about N
A	is clockwise	is anticlockwise
B	is clockwise	is zero
C	is zero	is clockwise
D	is zero	is zero

Question 2

The diagram shows a star S and the initial arrangement of three planets, X, Y and Z.



Each planet orbits clockwise in a circle about S.

The time for one orbit of Y is three times the time taken for one orbit of X.

The time for one orbit of Z is twice the time taken for one orbit of Y.

Starting from the initial arrangement, which diagram shows the positions of the planets after X has made one complete orbit?

