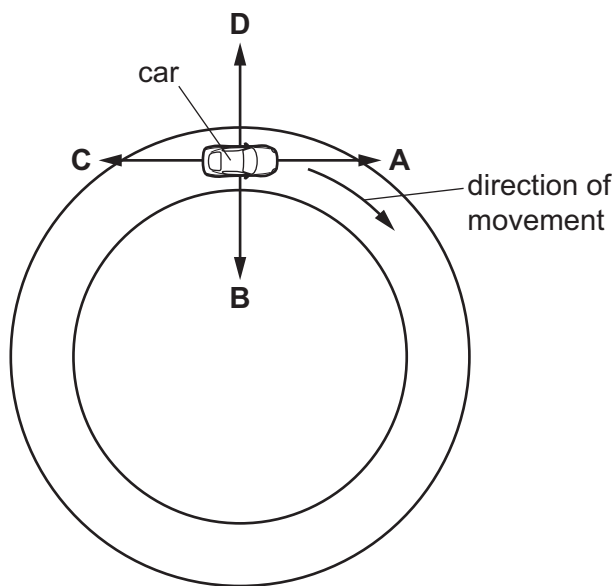
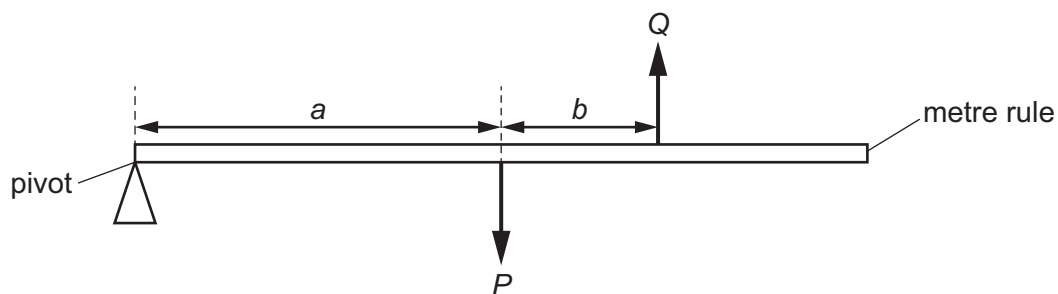


- 6 A car is travelling around a circular track at a constant speed, as shown.

In which direction is the resultant force on the car?



- 7 Two forces P and Q act on a metre rule as shown. The metre rule is pivoted at one end. The rule starts to rotate in a clockwise direction.



Which statement is correct?

- A P equals Q
 - B P is less than Q
 - C $(P \times a)$ is equal to $(Q \times b)$
 - D $(P \times a)$ is greater than $(Q \times (a + b))$
- 8 Which statement gives a complete description of any object that is in equilibrium?
- A There are no forces acting.
 - B There is no resultant force.
 - C There is no resultant force and no resultant turning effect.
 - D There is no resultant turning effect.