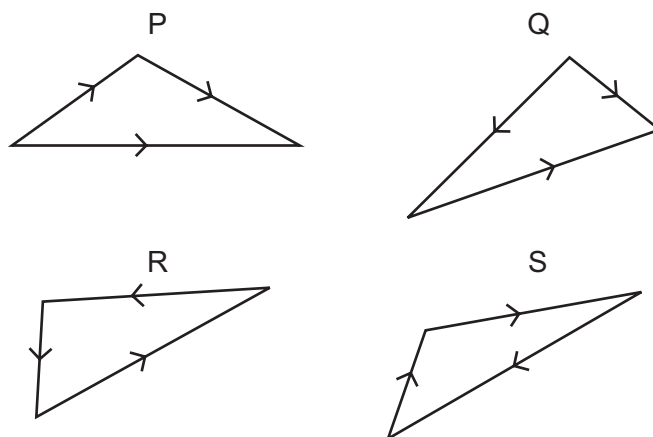
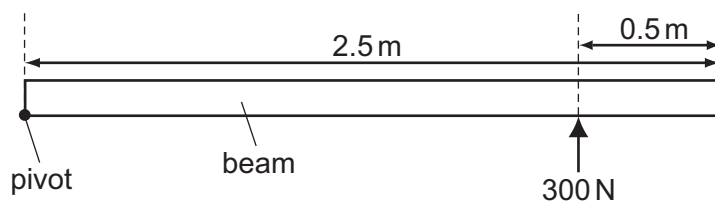


12 Which two vector diagrams represent forces in equilibrium?



- A P and Q
- B Q and R
- C R and S
- D S and P

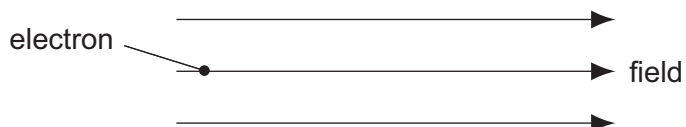
13 A long uniform beam is pivoted at one end. A force of 300 N is applied to hold the beam horizontally.



What is the weight of the beam?

- A 300 N
- B 480 N
- C 600 N
- D 960 N

14 An electron is situated in a uniform electric field, as shown in the diagram.



What is the direction of the electric force acting on the electron?

- A downwards
- B to the left
- C to the right
- D upwards