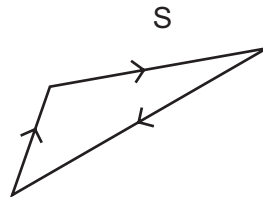
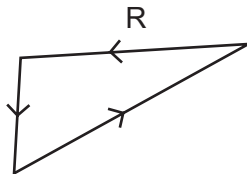
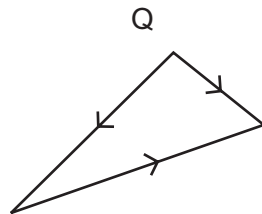
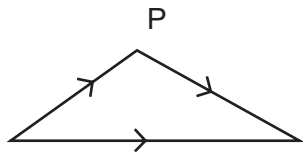


**13** Which two vector diagrams represent forces in equilibrium?



**A** P and Q

**B** Q and R

**C** R and S

**D** S and P

**14** The diagram shows a plan view of a door which requires a moment of  $12 \text{ Nm}$  to open it.