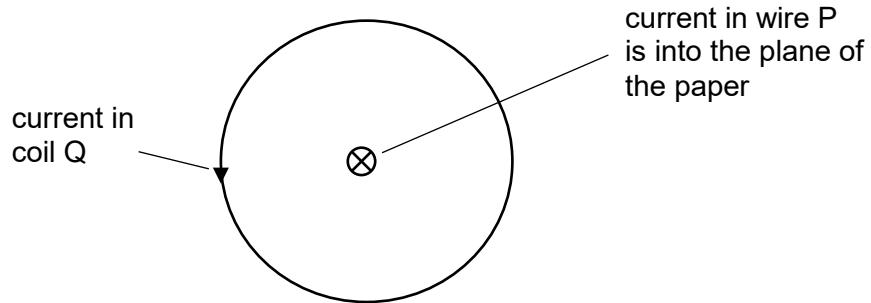


- 24** A long straight wire P is placed along the central axis of a flat circular coil Q. The wire and coil each carry a current as shown.



Which statement about the force acting on each part of coil Q due to the current in wire P is correct?

- A** The force is towards wire P
- B** The force is away from wire P
- C** The force is perpendicular to the plane of coil Q
- D** There is no force in all directions