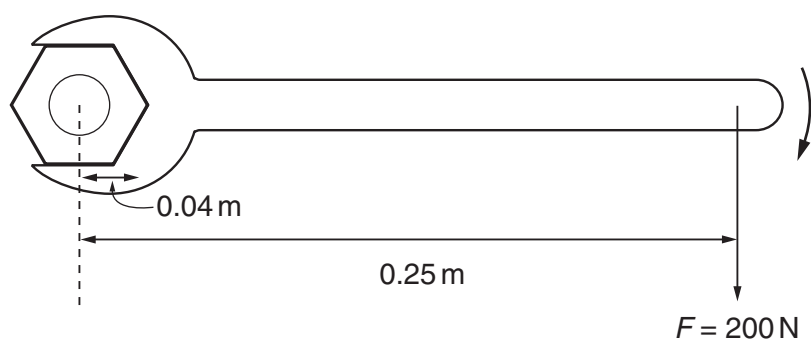


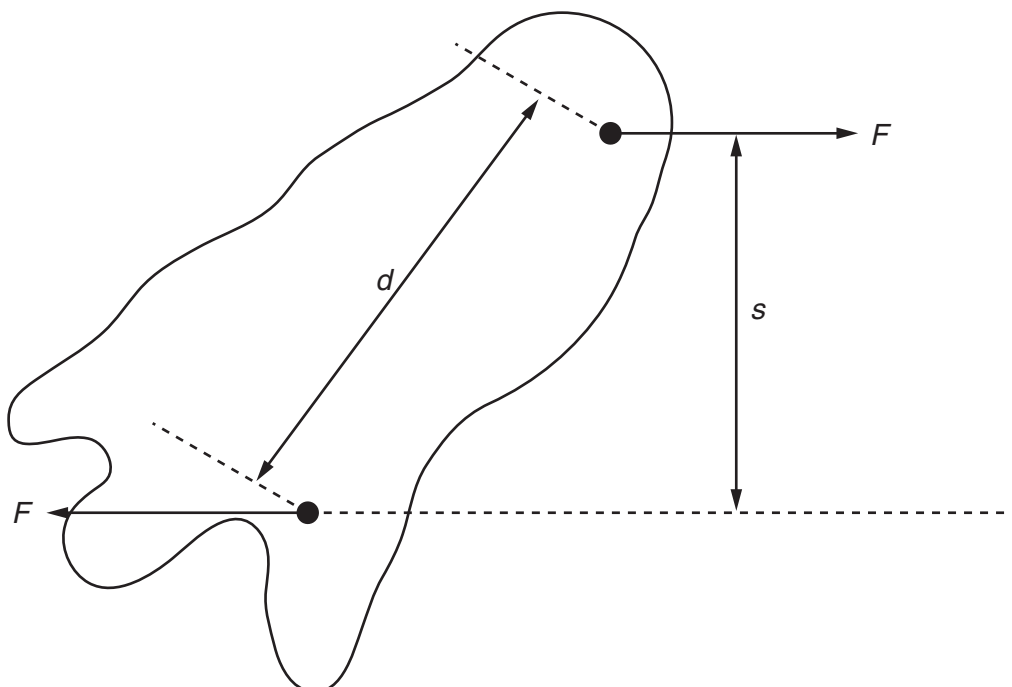
- 13 A spanner is used to tighten a nut as shown.



A force  $F$  is applied at right-angles to the spanner at a distance of 0.25 m from the centre of the nut. When the nut is fully tightened, the applied force is 200 N.

What is the resistive torque, in an anticlockwise direction, preventing further tightening?

- A 8 Nm
  - B 25 Nm
  - C 50 Nm
  - D 800 Nm
- 14 Two parallel forces, each of magnitude  $F$ , act on a body as shown.



What is the magnitude of the torque on the body produced by these forces?

- A  $Fd$
- B  $Fs$
- C  $2Fd$
- D  $2Fs$