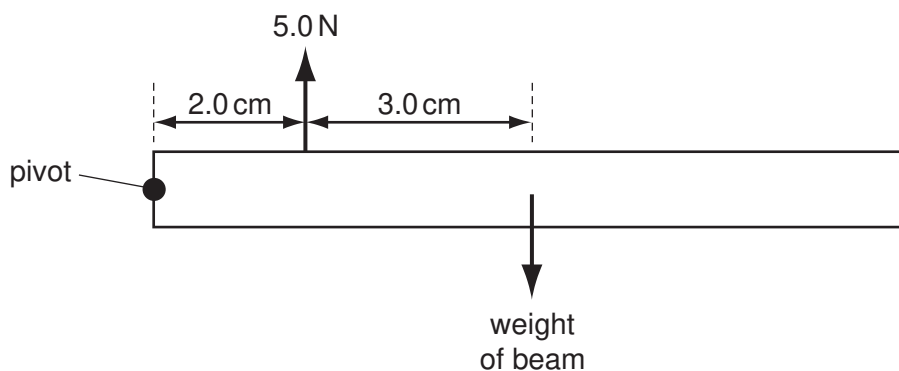


- 8 Which statement about an object moving in a straight line through air is correct?
- A When it accelerates, the resultant force acting on it is zero.
  - B When it moves at a steady speed, the air resistance acting on it is zero.
  - C When it moves at a steady speed, the resultant force acting on it is zero.
  - D When it moves, there is a resultant force acting on it.
- 9 A beam pivoted at one end has a force of 5.0 N acting vertically upwards on it as shown. The beam is in equilibrium.



What is the weight of the beam?

- A 2.0 N
  - B 3.0 N
  - C 3.3 N
  - D 5.0 N
- 10 A car has a mass of 1000 kg and a momentum of 12000 kg m/s.
- What is its kinetic energy?
- A 6 kJ
  - B 12 kJ
  - C 72 kJ
  - D 144 kJ