

### 9Id Moments and equilibrium

- 1 turning, moment, force, pivot, metres
- 2  $20 \text{ N} \times 0.2 \text{ m} = 4 \text{ N m}$
- 3
  - a  $500 \text{ N} \times 0.5 \text{ m} = 250 \text{ N m}$
  - b  $200 \text{ N} \times 1.5 \text{ m} = 300 \text{ N m}$
  - c The moment of the effort is greater than the moment of the load.
- 4 It is balanced/not moving.