

18 Which operation involves the greatest mean power?

- A a car moving against a resistive force of  $0.4\text{ kN}$  at a constant speed of  $20\text{ ms}^{-1}$
- B a crane lifting a weight of  $3\text{ kN}$  at a speed of  $2\text{ ms}^{-1}$
- C a crane lifting a weight of  $5\text{ kN}$  at a speed of  $1\text{ ms}^{-1}$
- D a weight being pulled across a horizontal surface at a speed of  $6\text{ m s}^{-1}$  against a frictional force of  $1.5\text{ kN}$

19 Which properties best describes modelling clay?