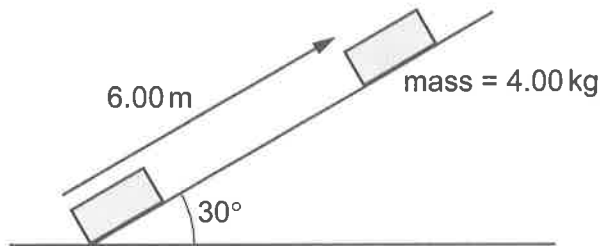


- 16** A slope is inclined at  $30^\circ$  to the horizontal. A mass of  $4.00\text{ kg}$  is pushed at constant speed up this slope by an external force. There is a constant frictional force of  $8.00\text{ N}$ . The mass moves  $6.00\text{ m}$  along the slope in  $3.00\text{ s}$ .



What is the mean power provided by the external force?

- A**  $20.0\text{ W}$       **B**  $39.2\text{ W}$       **C**  $55.2\text{ W}$       **D**  $94.5\text{ W}$

- 17** An arrow is fired horizontally from a height of  $17\text{ m}$