

15 Which expression can be used to calculate power?

A  $\frac{\text{mass} \times \text{acceleration} \times \text{time}}{\text{distance}}$

B  $\frac{\text{mass} \times \text{acceleration} \times \text{distance}}{\text{time}}$

C  $\frac{\text{mass} \times \text{acceleration}}{\text{time}}$

D  $\frac{\text{force} \times \text{acceleration}}{\text{time}}$

16 A slope is inclined at  $20^\circ$  to the horizontal. A mass of 1.00 kg is pushed at constant speed up this