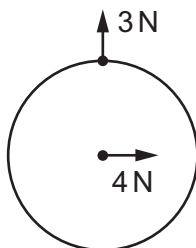


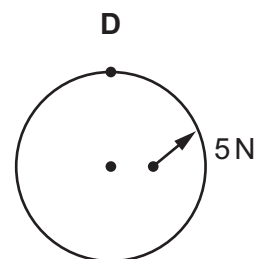
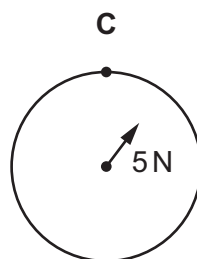
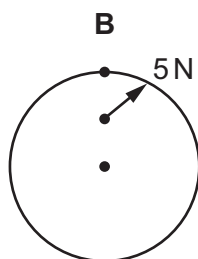
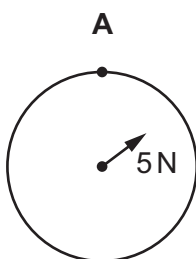
1 What is the approximate average speed of a winning female Olympic athlete running a 100m race?

- A  $6\text{ ms}^{-1}$       B  $9\text{ ms}^{-1}$       C  $12\text{ ms}^{-1}$       D  $15\text{ ms}^{-1}$

2 Two forces act on a circular disc as shown.



Which diagram shows the line of action of the resultant force?



3 What correctly expresses the volt in terms of SI base units?

- A  $\text{A}\Omega$   
B  $\text{WA}^{-1}$   
C  $\text{kg m}^2 \text{s}^{-1} \text{A}^{-1}$   
D  $\text{kg m}^2 \text{s}^{-3} \text{A}^{-1}$