

**2** Which of the following experimental techniques reduces the systematic error of the quantity being investigated?

- A** measuring several distances between adjacent nodes on a standing wave to find the mean distance
- B** measuring the diameter of a wire repeatedly and calculating the average
- C** adjusting an analogue ammeter to remove its zero error before measuring a current
- D** timing a large number of oscillations to find a period

**3** The graph shows how velocity  $v$  varies with time  $t$  for a bungee jumper