

MODULE: *Marvellous Motion*

Pre Test

1.



The picture contains birds, clouds, and a parachutist. Which of these objects is the force of gravity pulling on?

- A The parachutist only.
- B The parachutist, the birds, and the clouds.
- C The parachutist and the birds only.
- D The birds and the cloud only.

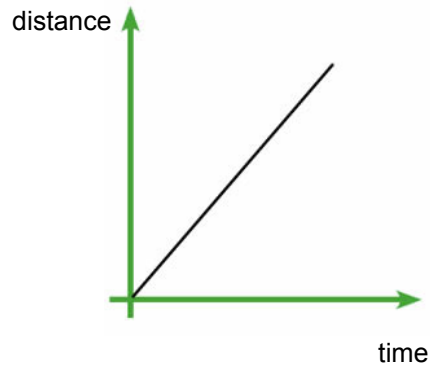
(1 mark)

2. Complete the missing data in the table below.

Time (seconds)	Distance (metres)
0	0
1	15
2	30
3	
4	60
5	75

(1 mark)

3. Which of the following sentences describes the motion shown in the distance-time graph?



- A A car slowing down.
- B A person standing still.
- C A car speeding up.
- D A car moving at a steady speed.

(1 mark)

4. In physics, 'work' is done when an object is moved in the direction of an applied force. In which one of these pictures is work being done?



A



B



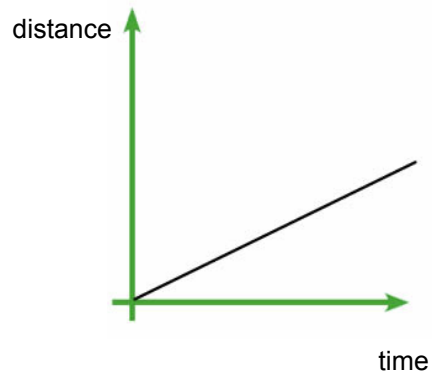
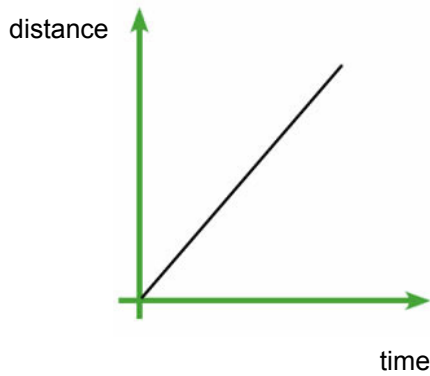
C



D

(1 mark)

5. Compare the two graphs and choose the correct explanation.



- A Both graphs show objects speeding up.
- B Both graphs show objects travelling at steady speeds.
- C Both graphs show stationary objects.
- D Both graphs show objects slowing down.

(1 mark)