

MODULE: *Marvellous Motion*

Pre Test Marking Scheme

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.

Answer B

(1 mark)

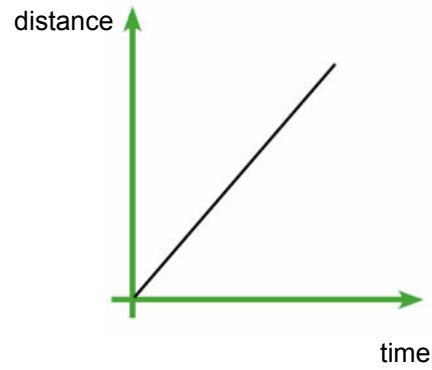
2. Complete the missing data in the table below.

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

Answer 45

(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.

Answer D (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



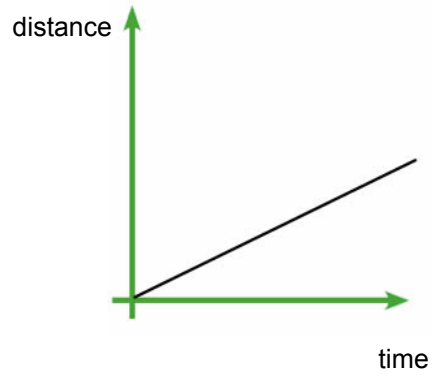
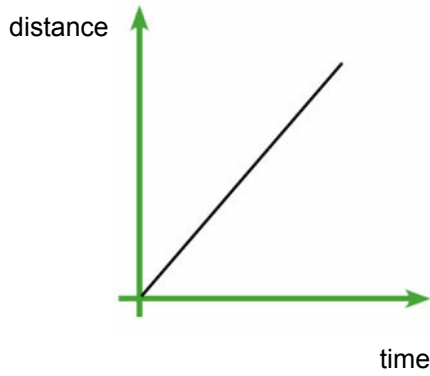
C



D

Answer B (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.

Answer B

(1 mark)