

MODULE: *Marvellous Motion*

Post Test Marking Scheme

1.



The picture includes birds, a swimmer and some fish. Which of these objects is the force of gravity working on?

- A The swimmer only.
- B The fish and the swimmer only.
- C The birds only.
- D The birds, the fish and the swimmer.

Answer D

(1 mark)

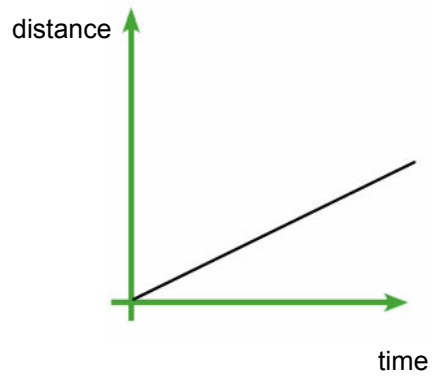
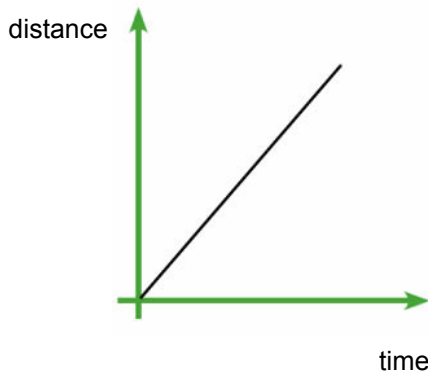
2. Complete the missing data in the table below.

Time (seconds)	Distance (metres)
0	0
1	15
2	30
3	45
4	60
5	

Answer 75

(1 mark)

3. Compare the 2 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)

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



(i)



(ii)



(iii)



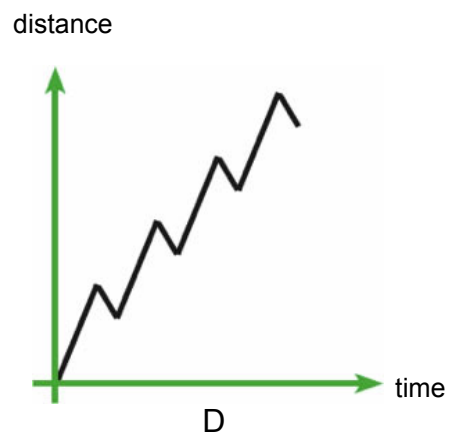
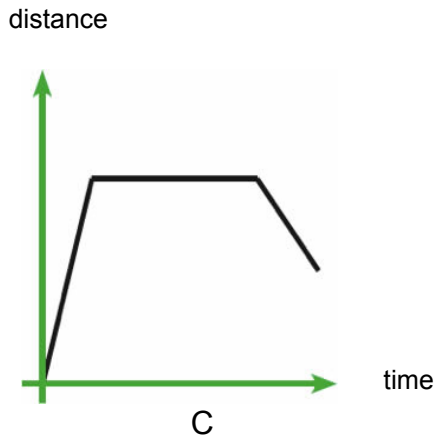
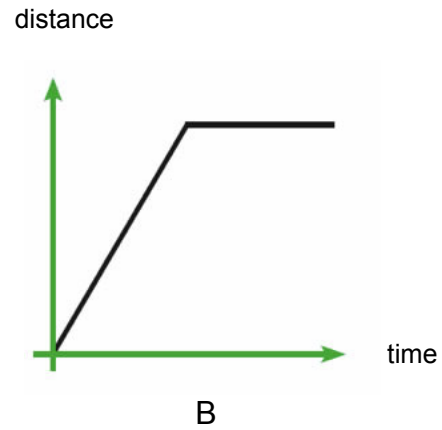
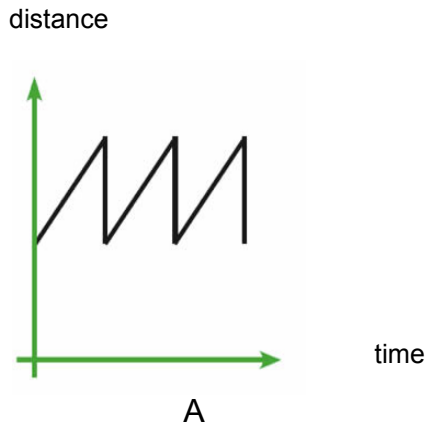
(iv)

- A (i) only
- B (ii) and (iv)
- C (iii) and (iv)
- D (i), (ii), (iii) and (iv)

Answer B

(1 mark)

5. Mae went on a bike ride to the lakeside. When she reached the lake, she sat down for awhile on a bench before starting to ride back home. Which graph best shows Mae's journey?



Answer C (1 mark)