

NAME _____

Class _____

Date _____

Formative Assessment -1

1. Copy and complete the table shown below [3]

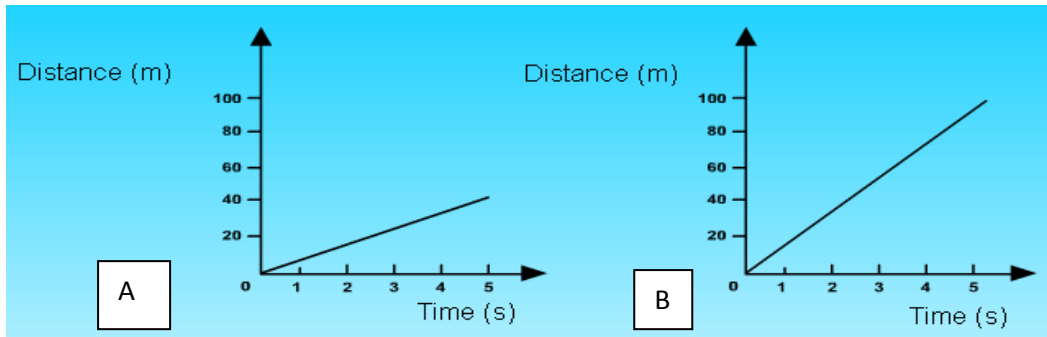
measurement	unit	symbol
length		
	kilogram	
		s

2. Write down the values of [2]

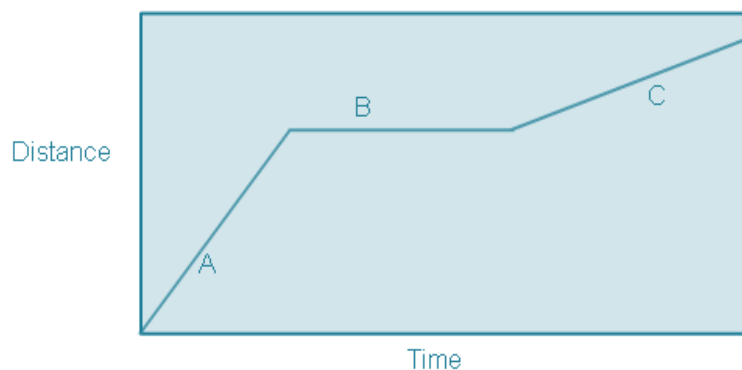
- 300 cm in m
- 1500 m in km
- 0.75 km in m
- 0.8 m in mm

3. State what is meant by the terms mass and weight [2]

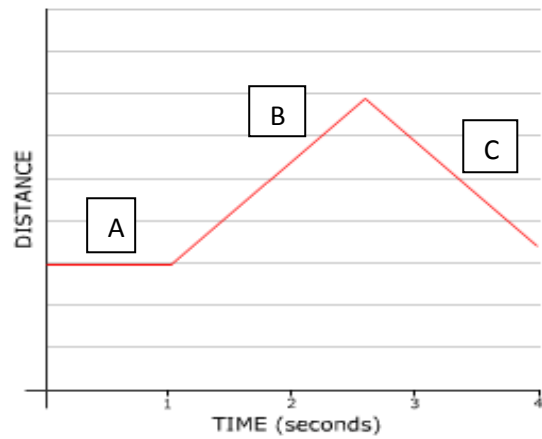
4. Which graph shows object travelling at a greater speed? [1]



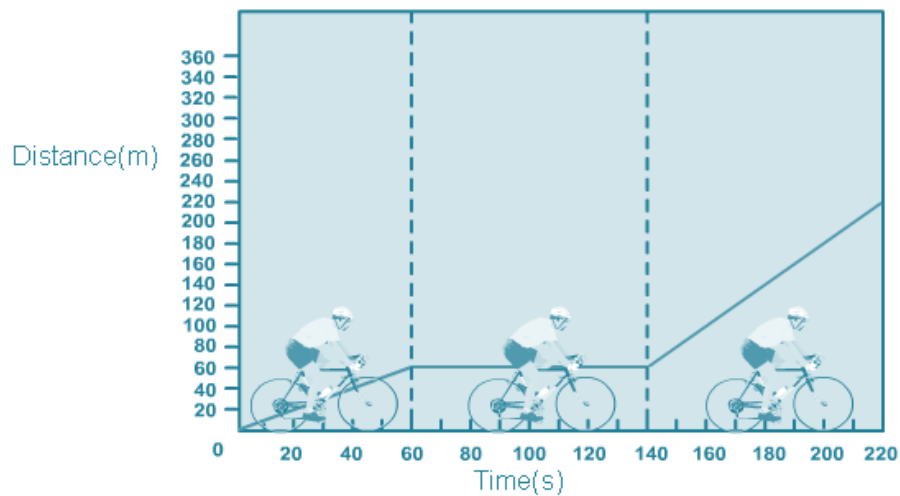
5. Which part of the graph shows that the object is stationary? [1]



6. a. Which part of the graph shows that the object is returning to the start?
 b. Which parts of the graph shows that the object is travelling at a constant speed? [2]



7. How long was the cyclist stationary for? [1]



8. A car covers a distance of 180km in 3hours. Find the speed of the car. [2]
 9. A physical science text book has a mass of 2.2 kg [3]
 a. What is the weight on the Earth?
 b. What is the weight on Mars ($g = 3.7 \text{ m/s}^2$)
 c. If the textbook weights 19.6 N on Venus, What is the strength of gravity on Venus?

10. Why do jewellers use a physical balance? [1]
11. What keeps the planets in their orbit? [1]
12. Mass of a body does not vary, but weight does. Give a reason. [1]