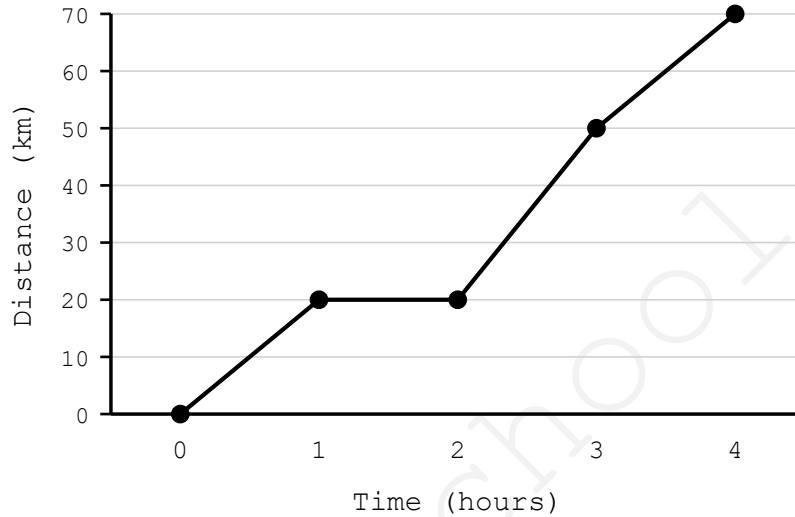


Speed, Distance & Time: Medium Practice Paper 6

Q1. The graph shows a cyclist's journey. What was her speed during the first hour?



- A. 30 km/h B. 70 km/h C. 20 km/h D. 10 km/h E. 50 km/h

Q2. The table shows four journeys. Which vehicle had the greatest average speed?

Vehicle	Distance	Time
Car	120 km	2 hours
Van	135 km	1.5 hours
Lorry	200 km	4 hours
Coach	210 km	3 hours

- A. They are all the same
 B. The car
 C. The lorry
 D. The coach
 E. The van

Q3. A runner takes 5 minutes to run each kilometre. How long does it take him to run 8 km at that pace?

- A. 13 minutes
- B. 35 minutes
- C. 45 minutes
- D. 40 minutes
- E. 1 hour

Q4. Which is faster, 15 metres per second or 50 kilometres per hour?

- A. 15 m/s, but only over short distances
- B. 50 km/h
- C. They are the same speed
- D. 15 m/s
- E. It cannot be compared

Q5. Which of these is a sensible average speed for a person walking?

- A. 100 km/h
- B. 50 km/h
- C. 0.5 km/h
- D. 25 km/h
- E. 5 km/h

Q6. A ferry crosses 36 km of water at a steady 24 km/h. How long does the crossing take?

- A. 1 hour 30 minutes
- B. 1 hour 15 minutes
- C. 2 hours
- D. 1 hour 20 minutes
- E. 45 minutes

Q7. The timetable shows one train. What is its average speed between Ash and Ford?

Station	Time	Distance from Ash
Ash	09:00	0 km
Beech	09:45	60 km
Ford	10:30	120 km

A. 90 km/h B. 60 km/h C. 120 km/h D. 80 km/h E. 75 km/h

Q8. A cyclist rides at a steady 18 km/h. How far does she ride in 10 minutes?

A. 3 km B. 1.8 km C. 6 km D. 180 km E. 2 km

Q9. A journey of 210 km took 4 hours altogether, including a 30 minute stop. What was the average speed while the car was actually moving?

A. 70 km/h B. 52.5 km/h C. 60 km/h D. 55 km/h E. 42 km/h

Q10. A bus travels 24 km in the first 30 minutes and 36 km in the next 30 minutes. What is its average speed for the whole hour?

A. 30 km/h B. 60 km/h C. 48 km/h D. 54 km/h E. 120 km/h

Q11. Two runners set off together along the same road, one at 10 km/h and the other at 8 km/h. How far apart are they after 30 minutes?

A. 2 km B. 1 km C. 9 km D. 18 km E. 0.5 km

Q12. The table shows the times four runners took for 400 m. Who ran the fastest?

Runner	Time
Ali	58 seconds
Bea	62 seconds
Cal	55 seconds
Dee	60 seconds

- A. Ali
- B. Cal
- C. Bea
- D. Dee
- E. They all ran the same speed

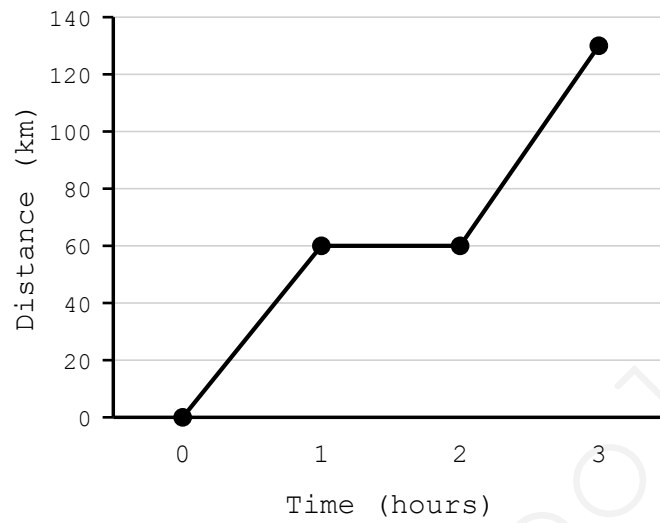
Q13. A tortoise walks at a steady 8 cm each second. How far does it walk in 5 minutes, in metres?

- A. 24 m B. 40 m C. 2.4 m D. 4 m E. 240 m

Q14. A driver leaves at 10:20 and drives 150 km at a steady 60 km/h, stopping for 25 minutes on the way. At what time does he arrive?

- A. 13:45 B. 12:50 C. 13:15 D. 12:45 E. 13:05

Q15. The graph shows a car's journey. During which hour was the car not moving?



- A. For the whole journey
- B. Between 0 and 1 hour
- C. Between 2 and 3 hours
- D. It never stopped
- E. Between 1 and 2 hours