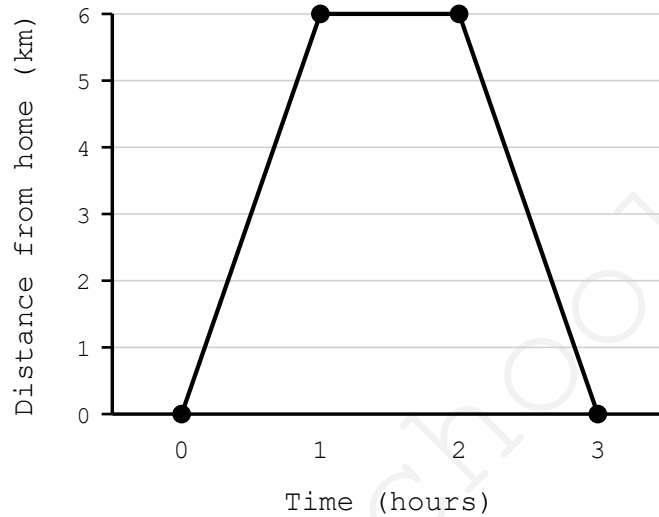


Speed, Distance & Time; Medium Practice Paper 7

Q1. The graph shows how far a walker was from home. How far did she walk altogether?



- A. 18 km B. 6 km C. 0 km D. 12 km E. 3 km

Q2. The table shows three trains. Which one has the greatest average speed?

Train	Distance	Time
A	180 km	2 hours
B	225 km	3 hours
C	260 km	4 hours

- A. Train A
 B. Train B
 C. Train C
 D. Trains A and B are equal
 E. They are all the same

Q3. A runner keeps a pace of 4 minutes 30 seconds for each kilometre. How long does she take to run 6 km?

- A. 27 minutes
- B. 24 minutes
- C. 30 minutes
- D. 26 minutes
- E. 36 minutes

Q4. A train travels 90 m in 3 seconds. What is its speed in kilometres per hour?

- A. 180 km/h
- B. 30 km/h
- C. 90 km/h
- D. 54 km/h
- E. 108 km/h

Q5. A journey of 300 km took 5 hours. The first 120 km took 2 hours. What was the average speed for the rest of the journey?

- A. 45 km/h
- B. 50 km/h
- C. 70 km/h
- D. 65 km/h
- E. 60 km/h

Q6. A car is travelling at 20 metres per second. The driver takes 0.7 seconds to react before braking. How far does the car travel in that time?

- A. 20 m
- B. 14 m
- C. 7 m
- D. 28 m
- E. 1.4 m

Q7. A runner completes each lap of a 400 m track in 80 seconds. How long does it take her to run 3 km at that pace?

- A. 8 minutes
- B. 10 minutes
- C. 12 minutes
- D. 9 minutes
- E. 15 minutes

Q8. A train leaves at 08:40, travels 90 km at 60 km/h, waits 10 minutes at a station, then travels 40 km at 80 km/h. At what time does it arrive?

- A. 10:40 B. 10:50 C. 11:00 D. 10:30 E. 11:10

Q9. Which of these is the fastest speed?

- A. 1.1 km each minute
B. 68 km/h
C. 20 m/s
D. 0.9 km each minute
E. 18 m/s

Q10. A cyclist rides for 2 hours at 15 km/h and then walks for 1 hour. Her average speed for the whole 3 hours is 12 km/h. How far did she walk?

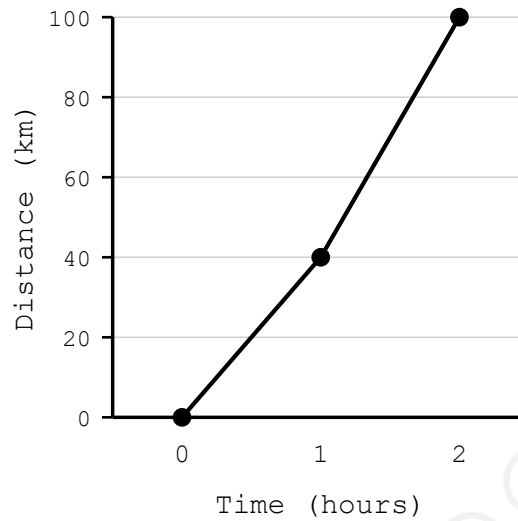
- A. 12 km B. 3 km C. 6 km D. 4 km E. 9 km

Q11. The table shows the three legs of a journey. How long does the whole journey take?

Leg	Distance	Speed
1	60 km	60 km/h
2	90 km	45 km/h
3	50 km	50 km/h

- A. 4 hours
B. 3 hours
C. 5 hours
D. 3 hours 30 minutes
E. 4 hours 30 minutes

Q12. The graph shows a car's journey. How much faster was the car in the second hour than in the first?



- A. 10 km/h faster
- B. 60 km/h faster
- C. 40 km/h faster
- D. 20 km/h faster
- E. It was the same speed

Q13. A train arrives at 15:05 after travelling 210 km at a steady 70 km/h. At what time did it leave?

- A. 11:05
- B. 12:35
- C. 12:05
- D. 13:05
- E. 12:00

Q14. A car covers 84 km in 1 hour 12 minutes. What is its average speed?

- A. 65 km/h
- B. 72 km/h
- C. 84 km/h
- D. 70 km/h
- E. 60 km/h

Q15. A car travels 150 km in 2.5 hours. Which calculation gives its average speed?

- A. $150 \div 2$
- B. 150×2.5
- C. $2.5 \div 150$
- D. $150 + 2.5$
- E. $150 \div 2.5$