Speed, Distance & Time: Medium Practice Paper 1

Q1. A car travels 150 km in 2 hours 30 minutes. What is its average speed?

A. 50 km/h B. 55 km/h C. 60 km/h D. 65 km/h E. 75 km/h

Q2. A train travels at a steady 72 km/h for 40 minutes. How far does it go?

A. 36 km B. 42 km C. 48 km D. 54 km E. 60 km

Q3. A journey of 90 km is driven at a steady 60 km/h. How long does it take?

A. 1 hour 15 minutes

B. 1 hour 30 minutes

C. 1 hour 45 minutes

D. 2 hours

E. 2 hours 30 minutes

Q4. A train leaves at 09:48 and arrives at 12:06. How long is the journey?

A. 2 hours 8 minutes

B. 2 hours 12 minutes

C. 2 hours 18 minutes

D. 2 hours 22 minutes

E. 2 hours 42 minutes

Q5. A car covers 100 km in 1 hour 15 minutes. What is its average speed?

A. 60 km/h B. 70 km/h C. 75 km/h D. 80 km/h E. 85 km/h

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Q6. A cyclist sets off at 10:15 and rides 30 km at a steady 20 km/h. At what time does the cyclist arrive?

A. 11:15 B. 11:30 C. 11:45 D. 12:00 E. 12:15

Q7. A speed of 36 km/h is the same as which speed in metres per second?

A. 6 m/s B. 10 m/s C. 12 m/s D. 36 m/s E. 60 m/s

Q8. A car drives at a steady 55 km/h for 24 minutes. How far does it travel?

A. 13.2 km B. 18 km C. 20 km D. 22 km E. 24 km

Q9. Two towns are 260 km apart. A driver travels between them at a steady 65 km/h. How long does the journey take?

A. 3 hours

B. 3 hours 30 minutes

C. 4 hours

D. 4 hours 30 minutes

E. 5 hours

Q10. A runner completes 5 km in 25 minutes. What is the average speed in kilometres per hour?

A. 5 km/h B. 10 km/h C. 12 km/h D. 15 km/h E. 20 km/h

Q11. A train travels for 45 minutes at a steady 80 km/h, then waits at a station for 15 minutes. How far has it travelled in that hour?

A. 45 km B. 60 km C. 65 km D. 70 km E. 80 km

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Q12. A coach travels at a steady 48 km/h for 3 hours. How far does it go?

A. 96 km B. 124 km C. 134 km D. 144 km E. 154 km

Q13. A walker leaves at 08:30 and walks 12 km at a steady 4 km/h. At what time does the walker arrive?

A. 10:30 B. 11:00 C. 11:30 D. 12:00 E. 12:30

Q14. Journey A is 90 km in 1 hour 30 minutes, journey B is 100 km in 2 hours and journey C is 140 km in 2 hours 30 minutes. Which journey has the highest average speed?

A. Journey A

B. Journey B

C. Journey C

D. Journeys A and C are equally fast

E. All three are the same speed

Q15. A motorbike travels at a steady 90 km/h for 20 minutes. How far does it travel?

A. 18 km B. 25 km C. 30 km D. 45 km E. 60 km

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