Speed, Distance & Time: Medium Practice Paper 3

Q1. A lorry travels 270 km in 4 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. 67 km/h

Q2. A train travels at a steady 84 km/h for 25 minutes. How far does it go?

A. 21 km B. 28 km C. 35 km D. 42 km E. 50 km

Q3. A journey of 200 km is driven at a steady 80 km/h. How long does it take?

A. 2 hours

B. 2 hours 15 minutes

C. 2 hours 30 minutes

D. 2 hours 45 minutes

E. 3 hours

Q4. A plane flies 2400 km in 3 hours. What is its average speed?

A. 600 km/h B. 700 km/h C. 800 km/h D. 900 km/h E. 1200 km/h

Q5. A journey starts at 08:47 and ends at 11:12. How long does it take?

A. 2 hours 5 minutes

B. 2 hours 25 minutes

C. 2 hours 35 minutes

D. 3 hours 25 minutes

E. 3 hours 35 minutes

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Q6. A speed of 90 km/h is the same as which speed in metres per second?

A. 15 m/s B. 20 m/s C. 25 m/s D. 30 m/s E. 90 m/s

Q7. A car travels for 30 minutes at 70 km/h and then for 30 minutes at 50 km/h. What is its average speed for the whole hour?

A. 55 km/h B. 58 km/h C. 60 km/h D. 62 km/h E. 120 km/h

Q8. A coach travels at a steady 54 km/h for 1 hour 40 minutes. How far does it go?

A. 72 km B. 81 km C. 90 km D. 95 km E. 108 km

Q9. A runner covers 6 km in 24 minutes. What is the average speed in kilometres per hour?

A. 10 km/h B. 12 km/h C. 14 km/h D. 15 km/h E. 18 km/h

Q10. A train leaves at 15:38 and the journey takes 1 hour 47 minutes. At what time does it arrive?

A. 17:05 B. 17:15 C. 17:25 D. 17:35 E. 17:45

Q11. One car travels 240 km in 3 hours and another travels 300 km in 4 hours. What is the difference between their average speeds?

A. 5 km/h B. 10 km/h C. 15 km/h D. 20 km/h E. 60 km/h

Q12. A cyclist must travel 45 km and wants to arrive in no more than 3 hours. What is the lowest average speed that will do this?

A. 12 km/h B. 15 km/h C. 18 km/h D. 20 km/h E. 25 km/h

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Q13. A sprinter runs 100 m in 12.5 seconds. What is the average speed?

A. 6 m/s B. 7.5 m/s C. 8 m/s D. 10 m/s E. 12.5 m/s

Q14. A journey takes 3 hours at a steady 60 km/h. How long would the same journey take at a steady 90 km/h?

A. 1 hour 30 minutes

B. 2 hours

C. 2 hours 15 minutes

D. 2 hours 30 minutes

E. 4 hours 30 minutes

Q15. A train leaves at 07:50 and arrives at 10:05, having travelled 180 km. What is its average speed?

A. 60 km/h B. 70 km/h C. 75 km/h D. 80 km/h E. 90 km/h

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