Speed, Distance & Time: Hard Practice Paper 4

Q1. A driver travels 45 km at 90 km/h and then a further 45 km at 30 km/h. What is the average speed for the whole journey?

A. 40 km/h B. 45 km/h C. 50 km/h D. 60 km/h E. 120 km/h

Q2. Two runners start from the same point at the same time and run in opposite directions at 8 km/h and 12 km/h. How far apart are they after 45 minutes?

A. 5 km B. 9 km C. 12 km D. 15 km E. 20 km

Q3. A speed of 30 m/s is the same as which speed in kilometres per hour?

A. 72 km/h B. 90 km/h C. 100 km/h D. 108 km/h E. 180 km/h

Q4. A train leaves at 12:37 and arrives at 15:22. How long is the journey?

A. 2 hours 15 minutes

B. 2 hours 35 minutes

C. 2 hours 45 minutes

D. 3 hours 15 minutes

E. 3 hours 45 minutes

Q5. A car travels 468 km in 5 hours 12 minutes. What is its average speed?

A. 78 km/h B. 85 km/h C. 88 km/h D. 90 km/h E. 94 km/h

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Q6. A cyclist leaves at 09:00 riding at 15 km/h. At 10:00 a friend sets off along the same road at 25 km/h. At what time does the friend catch up?

A. 10:45 B. 11:00 C. 11:30 D. 12:00 E. 12:30

Q7. A journey of 90 km is driven with the first 30 km at 60 km/h and the remaining 60 km at 40 km/h. How long does the journey take?

A. 1 hour 30 minutes

B. 1 hour 45 minutes

C. 2 hours

D. 2 hours 15 minutes

E. 2 hours 30 minutes

Q8. A car travels 120 km at 40 km/h and then 120 km at 120 km/h. What is its average speed for the whole journey?

A. 50 km/h B. 60 km/h C. 70 km/h D. 80 km/h E. 160 km/h

Q9. A plane flies for 3 hours 20 minutes at a steady 720 km/h. How far does it fly?

A. 2160 km B. 2280 km C. 2400 km D. 2520 km E. 2880 km

Q10. A train 200 m long passes a signal post in 8 seconds. What is the train's speed?

A. 8 m/s B. 16 m/s C. 20 m/s D. 25 m/s E. 40 m/s

Q11. A car travels 35 km in 28 minutes. What is its average speed in kilometres per hour?

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

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Q12. A journey takes 5 hours at a steady 54 km/h. How long would the same journey take at a steady 90 km/h?

A. 2 hours

B. 2 hours 30 minutes

C. 3 hours

D. 3 hours 30 minutes

E. 4 hours

Q13. A delivery van leaves at 05:48 and the journey takes 2 hours 37 minutes. At what time does it arrive?

A. 07:25 B. 08:05 C. 08:15 D. 08:25 E. 08:35

Q14. A cyclist rides for 1 hour 30 minutes at 12 km/h, rests for 20 minutes, then rides 9 km at 18 km/h. How long is it from the start to the finish?

A. 2 hours

B. 2 hours 10 minutes

C. 2 hours 20 minutes

D. 2 hours 30 minutes

E. 2 hours 50 minutes

Q15. Two towns are 165 km apart. At 08:00 a car leaves the first town at 60 km/h and another leaves the second town at 50 km/h, each heading towards the other. At what time do they meet?

A. 09:00 B. 09:30 C. 10:00 D. 10:30 E. 11:00

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