

Speed, Distance & Time: Medium Practice Paper 2 Answers

Q#	Answer	Explanation
1	C	3 hours 30 minutes is 3.5 hours, so the speed is $210 \div 3.5 = 60$ km/h.
2	C	45 minutes is three quarters of an hour, so the distance is $64 \div 4 \times 3 = 48$ km.
3	C	Time is distance divided by speed: $130 \div 52 = 2.5$ hours, which is 2 hours 30 minutes.
4	C	From 11:52 to 13:52 is 2 hours, and from 13:52 to 14:23 is 31 more minutes, making 2 hours 31 minutes.
5	D	20 minutes is one third of an hour, so in a whole hour the train would cover $3 \times 15 = 45$ km.
6	C	72 km is 72 000 m and one hour is 3600 seconds, so the speed is $72\ 000 \div 3600 = 20$ m/s.
7	C	In one hour the distance is $15 \times 3600 = 54\ 000$ m, which is 54 km, so the speed is 54 km/h.
8	C	From 13:40, adding 2 hours gives 15:40, and adding 35 more minutes gives 16:15.
9	C	1 hour 20 minutes is $\frac{4}{3}$ hours, so the speed is $96 \div (\frac{4}{3}) = 96 \times 3 \div 4 = 72$ km/h.
10	C	The ride takes $42 \div 14 = 3$ hours, and 09:00 plus 3 hours is 12:00.
11	D	2 hours 45 minutes is 2.75 hours, so the distance is $60 \times 2.75 = 165$ km.
12	C	5 minutes is 300 seconds, so the speed is $1500 \div 300 = 5$ metres per second.
13	B	The total distance is $180 + 120 = 300$ km and the total time is $2 + 3 = 5$ hours, so the average speed is $300 \div 5 = 60$ km/h.
14	C	Arriving 25 minutes after 14:05 means the bus arrived at 14:30, and from 12:30 to 14:30 is 2 hours.

15	B	The time is $12 \div 5 = 2.4$ hours. Since 0.4 of an hour is $0.4 \times 60 = 24$ minutes, the walk takes 2 hours 24 minutes.
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