

Speed, Distance & Time: Medium Practice Paper 4 Answers

Q#	Answer	Explanation
1	C	2 hours 30 minutes is 2.5 hours, so the speed is $175 \div 2.5 = 70$ km/h.
2	D	1 hour 15 minutes is 1.25 hours, so the distance is $48 \times 1.25 = 60$ km.
3	C	Divide the distance by the speed: $156 \div 52 = 3$ hours.
4	D	In one hour the distance is $5 \times 3600 = 18\,000$ m, which is 18 km, so the speed is 18 km/h.
5	C	20 minutes is one third of an hour, so the distance is $96 \div 3 = 32$ km.
6	C	From 09:36 to 12:36 is 3 hours, and from 12:36 to 13:09 is 33 more minutes, making 3 hours 33 minutes.
7	C	2 hours 30 minutes is 2.5 hours, so the speed is $190 \div 2.5 = 76$ km/h.
8	B	The journey takes 1 hour 30 minutes, which is 1.5 hours, so the speed is $60 \div 1.5 = 40$ km/h.
9	C	Each kilometre takes $12 \div 3 = 4$ minutes, so 8 km takes $8 \times 4 = 32$ minutes.
10	D	The two parts are $3 \times 80 = 240$ km and $2 \times 105 = 210$ km, so the total is $240 + 210 = 450$ km.
11	C	The total distance is $120 + 120 = 240$ km and the total time is $2 + 3 = 5$ hours, so the average speed is $240 \div 5 = 48$ km/h.
12	D	From 22:45, adding 3 hours gives 01:45 the next day, and adding 40 more minutes gives 02:25.
13	B	1 hour 30 minutes is 1.5 hours, so the speed is $45 \div 1.5 = 30$ km/h.
14	C	The time is $27 \div 36 = 0.75$ hours, and $0.75 \times 60 = 45$ minutes.
15	D	2 hours 15 minutes is 2.25 hours, so the distance is $16 \times 2.25 = 36$ km.