Calculating speed, distance and time

an is going on holiday and has to be at the airport, 165km from his ne, by 12·30pm. He leaves home at 9.30am and travels at an average ed of 60km/h. es Julian arrive at the airport on time? Give a reason for your answer. an's friend leaves his home at 9.15am and arrives at the airport 2 hours 15 minutes later. He has been travelling at an average speed of tam/h. we far from the airport does Julian's friend stay? nan travels a distance of 340 miles in his car. If the time taken for the journe hours 18 minutes, calculate his average speed for the journey to the nearest arr. [3]	-
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woman travels 54 miles to her work. e leaves home at 0710 and arrives at her work at 0822. culate the average speed for her journey.	[3]
orry driver travels at an average speed of 40 m.p.h. He has to complete a jour 0 miles.	rney of
w long will his journey take?	[3]
[17 ma	rks]
or) r	ulate the average speed for her journey. Try driver travels at an average speed of 40 m.p.h. He has to complete a journiles.

Time Intervals

- 1. A plane going to Malta leaves Edinburgh Airport at 9.50 pm. The flight lasts 3 hours and 45 minutes.
 - At what time does the plane land in Malta?

[1]

2. A nurse started 'night – shift' at 9.45pm and finished at 7.30am the next morning. How long did her shift last?

[1]

- 3. A sponsored dance started on Friday 13th May at 3·45 pm and ended at 2·15 pm on Sunday 15th May.
 - (a) How long did it last?

[1]

Give your answer in hours.

(b) Fiona's Mum sponsored her for 50p an hour. How much did her Mum have to give her?

[2]

4. Reece is a salesman and has to be at a meeting in Edinburgh at 10.15am.

He estimates that it will take him 1 hour 55 minutes to travel from his home to the meeting place.

If he wants to be at the meeting place **at least** 25 minutes before the start time, when is the **latest time** he should leave home to go to his meeting?

[2]

5. The timetable shows the times of both steam and diesel trains for the round trip to and from Sheringham on the North Norfolk Railway line.

	Diesel	Steam	Diesel	Steam	Steam
Sheringham	0910	1015	1145	1230	1430
Weybourne	0919	1025	1154	1240	1440
Kelling Heath	0922	_	1157		_
Holt arr	0929	1038	1204	1253	1453
dep	0941	1100	1216	1315	1515
Kelling Heath	0947	_	1222	_	_
Weybourne	0949	1112	1224	1327	1527
Sheringham	0958	1123	1233	1338	1538

(a) How long does the diesel train take for the round trip?

[2]

(b) How much longer does the steam train take for the same trip?

[3]

[12 marks]