Paper: 1MA1/3F				
Question	**Working**	**Answer**	**Mark**	**Notes**
9 **Q1**		No (supported)	P1 P1 C1	for finding a time difference e.g. length of day (=7 h or 420 min) or adding at least two of the five times on to 9 am or adding all the room times given (= 5 h 55 min or 355 min) or adding all five times given (=7 h 10 min or 430 min) for a complete process to inform final decision eg finds length of day (= 7 h) and total of all five times (=7 h 10 min) **or** starts at 9am and adds on all five times to find finishing time (= 4.10 pm) NO supported by correct values eg 4.10 pm **or** 7 h and 7 h 10 min **or** 420 min and 430 min

Paper: 1MA1/3F				
Question	**Answer**	**Mark**	**Mark scheme**	**Additional guidance**
9 (a)	40	B1	cao	
(b)	Yes (supported)	P1	for process shown to add a time to departure time eg 8.45 + 0.17 or 8.45 + 0.15 or 8.45 + 0.15 + 0.17 **OR** for process to work out time at work after arrival at Manchester bus stop eg "9.35" + 15 **OR** finds accumulated additional time eg 17 + 15 (= 32) **OR** start to work backwards eg 10.00 − 0.15	There must be some attempt to add but not necessarily complete or correct (eg 8.62). "9.35" must be a given time ie from 0905, 0935, 0955, 1010, 1025, or 1048. Process must be shown.
		P1	for process to use a bus time from Whitefield to Manchester with other times eg 0904 to 0935 with use of 17 or 15	Do not award in cases of ambiguity.
Q2		C1	for conclusion of "Yes" supported by correct figures eg states 9.50 **or** comparable figures eg 9.35 and 25 (spare)	There needs to be a conclusion eg Yes or equivalent words supported by correct figures; if C mark fully evidenced award 3 marks.
			Alternative scheme	
		P1	for process shown to find a duration of time using given figures eg 8.45 to 10.00, 8.34 to 9.05, 10.14 to 10.48	There must be some attempt to find a duration of time but not necessarily complete or correct. Process must be shown.
		P1	for process to find the total travelling time eg 17 + 31 + 15 or 17 + 2 + 31 + 15	31 can come from any bus apart from the last bus which is 34
		C1	for conclusion of "Yes" supported by correct figures eg comparable figures eg 65 < 75 **or** 75 – 65 (= 10)	There needs to be a conclusion eg Yes or equivalent words supported by correct figures; if C mark fully evidenced award 3 marks.

Paper: 1MA1/2F				
Question	**Answer**	**Mark**	**Mark scheme**	**Additional guidance**
18 **Q3**	952	P1 P1 P1 A1	for starting to work with parts, eg. 6 × 60 ÷ 10 (= 36) or 10 ÷ 6 (= 1.66..) or 6 ÷ 10 (= 0.6) or 13 × 60 ÷ 15 (= 52) or 15 ÷ 13 (= 1.15..) or 13 ÷ 15 (= 0.866..) **OR** for 60 ÷ 10 × 12 (= 72) or 10 × 60 ÷ 15 (= 40) for a full process to find the number of parts made by machine A eg "36" × 12 (= 432) or 12 × 60 ÷ "1.66.." (= 432) or 12 × 60 × "0.6" (= 432) **OR** "72" × 6 (= 432) for a full process to find the number of parts made by machine B eg "52" × 10 (= 520) or 10 × 60 ÷ "1.15.." (= 520) or 10 × 60 × "0.866.." (= 520) **OR** "40" × 13 (= 520) for 952 or 432 **and** 520	

Paper: 1MA1/2F				
Question	**Answer**	**Mark**	**Mark scheme**	**Additional guidance**
6 **Q4**	Yes with supporting calculations	M1	for ONE correct time conversion seen or used eg 105 (mins) is 1 (hr) 45 (mins) **or** 16 45 – 14 30 = 2 hr 15 mins **or** 14 30 + 1 (hr) + 45(mins)	May be implied by a correct calculation 1 hr = 60 mins is not enough for this mark
		M1	for a full method to make a comparison eg for adding 20 and 105 to 14 30 (=16 35) **or** for subtracting 20 and 105 from 16 45 (=14 40) **or** for finding the time differences eg 16 45 – 14 30 (= 2 hr 15 mins) and 105 + 20 (=125 mins) **or** adding 105 to 14:30 (= 16 15) **and** 1645 – "16 15" (=30)	Intention to do the correct calculation or calculations is enough for this mark Accept any sensible time notation throughout (pm is not required)
		C1	correct conclusion from the comparison of accurate figure(s) eg Yes and 16 35 or 4.35(pm) 14 40 or 2.40(pm) **or** for 2 hours 5 minutes and 2 hours 15 minutes oe **or** for 10 minutes spare **or** 30 (minutes to get to the bus stop)	Yes may be implied by a statement

Paper: 1MA1/3F				
Question	**Answer**	**Mark**	**Mark scheme**	**Additional guidance**
3 **Q5**	10 45	B1	for 10 45	Accept any time notation

Paper: 1MA1/1F				
Question	**Answer**	**Mark**	**Mark scheme**	**Additional guidance**
12 (a)	26	P1	for process to find $\frac{1}{6}$ of 120 minutes, eg $\frac{1}{6} \times 120$ (= 20)	
		P1	for process to find 20 % of 120 minutes, eg $\frac{20}{100} \times 120$ (= 24)	
		P1	(dep on P2) for a complete process to find the time remaining, eg 120 – 50 – "20" – "24"	May be seen in stages
		A1	cao	
(b) **Q6**	No (supported)	C1	for No with reason or ft (a) **Acceptable examples** she was (at least) 4 minutes late she did not arrive until (at least) 3 04 pm it took her more than 90 minutes doing the activities **Not acceptable examples** Yes ….. she arrived after 3pm	The 'No'(or 'Yes') may not be required if it is clear from the reasoning that Elena did not (did) get to the café by 3pm

Paper: 1MA1/2F				
Question	**Answer**	**Mark**	**Mark scheme**	**Additional guidance**
10 (a)	49	M1	for attempt to find the difference between 07 20 and 08 09	May be seen in stages eg 10+30+9
		A1	cao	
(b) **Q7**	Yes with correct working	P1	for a process shown to add a time to a departure time, eg 0800 + 7 or 0800 + 15 or 0800 + 7 + 15 **or** process for time at work after Bolton bus stop arrival, eg "0858" + 15 **or** find accumulated additional time, eg 7 + 15 (= 22) **or** starts to work backwards, eg 0920 − 15	
		P1	for a process to select correct bus time from Blackrod to Bolton eg 0809 to 0858	8 09 stated as bus start time or 7 40 (from Wigan) is enough for this mark
		C1	for conclusion of "yes" supported by correct comparable figures, eg states 0913 **or** 0858 and 22 (spare)	NOTE other comparisons may be seen

Paper: 1MA1/2F				
Question	**Answer**	**Mark**	**Mark scheme**	**Additional guidance**
12 (a)	7	B1	cao	
(b) **Q8**	1 hr 38 mins	M1	for a complete method to find the time difference eg. 9 00 – 7 22 **OR** a calculation on a number line, may be seen in any time format **OR** work in parts eg hours and minutes, may work in any units, eg. 60 – 22 (= 38) + 1 hour **OR** a clear build up method from 07 22 to 09 00 **OR** for correct values seen in an incorrect format, eg. 1.38 or 1:38 or 98 without units	
		A1	1 hr 38 (mins) or 98 minutes or $1.6\dot{3}$ hrs	