TIME-SET-1							
1	Javed says that his eyes will blink 415 000 000 times in 79 years.						
	(a) Write 415 000 000 in standard form	n.					
	Answer (a)						
		Answer (b)[1]					
MS-1	a) 4.15×10 ⁸ final answer cao b)10 cao	B1 B1 2					
		401					
2	Carmen spends 5 minutes, correct to the nearest minute, preparing one meal. She spends a total time of T minutes preparing 30 meals. Between what limits does T lie? Answer $\leq T <$ [2]						
MS-2	135 165 cao	1,1 SC1 2h 15m and 2h 45m or 2.25 and 2.75 or 135 and 165 reversed or 4.5 and 5.5 seen					
3	At 05 06 Mr Ho bought 850 fish at a fish market for \$2.62 each. 95 minutes later he sold them all to a supermarket for \$2.86 each.						
315	(a) What was the time when he sold the	e fish?					
		Answer(a) [1]					
MS-3	(a) 06 41	1 Allow 6.41(am). 6:41 and 06:41 Not 6h41m or 641h or 6.41pm					

4	A cyclist left Melbourne on Wednesday 21 May at 09 45 to travel to Sydney. The journey took 97 hours.					
	Write down the day, date and time that the cyclis	st arrived	d in Sydney.			
	Answer Day	Date		Time	[3]	
MS-4	Sunday (May) 25 1045		1, 1, 1	Independent		
			1			
5	A hummingbird beats its wings 24 times per second.					
			ta ita winas	in one hour		
	(a) Calculate the number of times the humming	ond bea	is its wings	in one nour.		
			Answer(a)		[1]	
	(b) Write your answer to part (a) in standard form.					
			Answer(b)		[1]	
MS-5	(a) 86400	1	1			
	(b) 8.64×10^4	1ft				
6						
Ü	A train leaves Barcelona at 21 28 and takes 10 hours and 33 minutes to reach Paris.					
	(a) Calculate the time the next day when the train arrives in Paris.					
			Answer(a)		[1]	

MS-6	(a) (0)8(.)01 (am)			1	1 Not 8.01pm			
7	The table shows the opening and closing times of a café.							
		Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Opening time	0600	0600	0600	0600	0600	(a)	0800
	Closing time	2200	2200	2200	2200	2200	2200	1300
	(a) The café is open for a total of 100 hours each week. Work out the opening time on Saturday.							
	Answer(a) [2]					[2]		
	(b) The owner decides to close the café at a later time on Sunday. This increases the total number of hours the café is open by 4%. Work out the new closing time on Sunday.							
	Answer(b)[1]							
MS-7	(a) (0)700 or 7 am		2	M1 $100 - (5 \times \text{their}(22 - 6) + \text{their}(13 - 8))$ or better soi				
	(b) 1700 or 5	pm		1				
8	The ferry from Helsinki to Travemunde leaves Helsinki at 17 30 on a Tuesday. The journey takes 28 hours 45 minutes.							
	Work out the day and time that the ferry arrives in Travemunde.							
		Answ	er Day			Time		[2]
MS-8		lnesday 5 or 10 1:	5pm		2	B1 B1		
					ı	<u> </u>		

9	Pedro and Eva do their homework.					
	Pedro takes 84 minutes to do his homework.					
	The ratio P	edro's time : Eva's time = 7	: 6.			
	Work out the	number of minutes Eva take	es to do her ho	omework	C.	
	Answer min [2]					
MS-9		72		2	M1 for 84 ÷ 7	
					60	
10	A water pipe has a circular cross section of radius 0.75 cm. Water flows through the pipe at a rate of 16 cm/s.					
	Calculate the time taken for 1 litre of water to flow through the pipe.					
	S			Answ	ver s [3]	
MS-10	35.4	4 or 35.36 to 35.37	3	or M1	r $1000 \div (\pi \times 0.75^2 \times 16)$ oe for $\pi \times 0.75^2 \times 16$ oe or $-(\pi \times 0.75^2)$	
	'					

11	The time in Lisbon is the same as the time in Funchal. A plane left Lisbon at 08 30 and arrived in Funchal at 10 20. It then left Funchal at 12 55 and returned to Lisbon. The return journey took 15 minutes more. What time did the plane arrive in Lisbon?					
MS-11	1500 or 3 <u>pm</u>	2	Answer			
	i	101				