

Multiplying Cells								Rubric	
:								Points	Section points
1.	Fills in the table correctly:							2	2
	Time	0	20	40	60	80	100		
	Number of cells	1	2	4	8	16	32	64	
2.	Fills in the table correctly:							2	2
	Time	0	20	40	60	80	100		
	Number of cells as power of 2	2^0	2^1	2^2	2^3	2^4	2^5	2^6	
3.	Gives a correct answer: 2^9 (allow 512)							1	2
	Gives a correct explanation such as: 3 hours is 9 lots of 20 minutes and the power of 2 equals the number of 20 minutes which have passed.							1	
4.	Gives a correct answer: 32768 Shows correct work such as: $5 \text{ hours} = 5 \times 3 \text{ lots of } 20\text{-minutes} = 15 \text{ lots of } 20\text{-minutes}$ 2^{15}							1	2
								1	
5.	Gives a correct answer: 340 minutes or 5 hours 40 minutes Shows correct work such as: $2^{16} = 32768 \times 2 = 65536$ $2^{17} = 65536 \times 2 = 131072$ 17×20							1	2
								1	
Total Points									10

