Mark scheme for 1MA1 Foundation themed papers: Holidays

GCSE Mathematics (1MA1)

Themed papers – Holidays

Compiled from student-friendly mark schemes

Please note that this mark scheme is not the one used by examiners for making scripts. It is intended more as a guide to good practice, indicating where marks are given for correct answers. As such, it doesn't show follow-through marks (marks that are awarded despite errors being made) or special cases.

It should also be noted that for many questions, there may be alternative methods of finding correct solutions that are not shown here – they will be covered in the formal mark scheme.

NOTES ON MARKING PRINCIPLES

Guidance on the use of codes within this mark scheme
M1 – method mark. This mark is generally given for an appropriate method in the context of the question. This mark is given for showing your working and may be awarded even if working is incorrect.   P1 – process mark. This mark is generally given for setting up an appropriate process to find a solution in the context of the question.   A1 – accuracy mark. This mark is generally given for a correct answer following correct working.   B1 – working mark. This mark is usually given when working and the answer cannot easily be separated.   C1 – communication mark. This mark is given for explaining your answer or giving a conclusion in context supported by your working.   Some questions require all working to be shown; in such questions, no marks will be given for an answer with no working (even if it is a correct answer).

Question 1 (Total 4 marks)

Part	Working or answer an examiner might expect to see	Mark	Notes
	Hotel cost for one person: $7 \times 50 = 350$	P1	This mark is given for a process to find the cost of a hotel for one person for 7 days
	Total holiday costs for one person $150 + 350 + 250 = 750$	P1	This mark is given for a process to find the total holiday cost for one person
	Total cost of the holiday for four persons: 4×750	P1	This mark is given for a process to find the total holiday cost for four people
	3000	A1	This mark is given for a correct answer only

Question 2 (Total 3 marks)

Part	Working or answer an examiner might expect to see	Mark	Notes
	$1280 + 640 + 220 =$	P1	This mark is given for a process to find the total cost of the holiday for 4 friends
	$2140 \div 4 =$	P1	This mark is given for a process to find the total cost of the holiday for 1 friend
	535	A1	This mark is given for the correct answer only

Question 3 (Total 3 marks)

Part	Working or answer an examiner might expect to see	Mark	Notes
	$850 \times 18.53 = 15750.50$	P1	This mark is given for a process to work out how many rand Liz can get
	$15750.50 \div 200 = 78.7525$	P1	This mark is for a process to find out how many 200 rand notes Liz can get
	78	A1	This mark is given for the correct answer only

Question 4 (Total 6 marks)

Part	Working or answer an examiner might expect to see	Mark	Notes
(a)	$196 \times 14 = 2744$	P1	This mark is given for a process to find the total room cost in dollars
	$5 \times 12 = 60$	P1	This mark is given for a process to find the total wifi cost in dollars
	$2744 + 60 = 2804$ $2804 \div 1.90 = 1475.79$	P1	This mark is given for using the exchange rate appropriately
	$1475.79 + 1500$	P1	This mark is given for a process to find the total cost in £
	2975.79	A1	This mark is given for an answer in the range 2975 to 2976
(b)	The cost of Andy's hotel and wifi would increase	C1	This mark is given for a correct statement

Question 5 (Total 5 marks)

Part	Working or answer an examiner might expect to see	Mark	Notes
(a)	$3 \times 25 = 75$	P1	This mark is given for a process to find the cost of three T-shirts
	$200 - 60 - 75 = 65$	P1	This mark is given for a process to find out how much money Rehan has after buying 1 pair of trainers and three T-shirts
	$65 < 80$, so Rehan does not have enough money	C1	This mark is given for a correct conclusion
(b)	$0.7 \times 60 = 42$	P1	This mark is given for a process to use an approximation to 0.749
	0.7×60 is an underestimate but is still greater than 40, so Rehan is wrong	C1	This mark is given for a correct conclusion

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Performance data:

Q	Taken from			Total Marks available	TOPIC	Spec Ref	AO	% Mean marks	Edexcel mean averages Marks of candidates who achieved grade:						
	Q	Series	Paper						ALL	5	4	3	2	1	U
1	6	Jun-19	1F	4	Number	N2, N13	3	**83**	3.33	3.81	3.66	3.46	3.16	2.65	1.71
2	10	Jun-18	1F	3	Number	N2	3	**82**	2.47	2.86	2.79	2.65	2.32	1.59	0.86
3	21	Jun-19	3F	3	Ratio	R1, R2, R10	3	**63**	1.88	2.84	2.58	2.07	1.29	0.5	0.1
4a	14a	Jun-17	3F	5	Ratio	R10	3	**59**	2.96	4.35	3.84	3.14	2.22	1.2	0.39
4b	14b	Jun-17	3F	1	Ratio	R10	2	**44**	0.44	0.73	0.58	0.43	0.3	0.19	0.09
5a	12a	Nov-19	1F	3	Number	N2	3	**93**	2.78	2.9	2.88	2.81	2.65	2.38	2.05
5b	12b	Nov-19	1F	2	Ratio	R1, R10, N14	2	**30**	0.59	0.94	0.77	0.6	0.32	0.24	0.14
				21					**14.45**	**18.43**	**17.1**	**15.16**	**12.26**	**8.75**	**5.34**