

Cambridge IGCSE™ (9–1)

INFORMATION AND COMMUNICATION TECHNOLOGY

Paper 3 Spreadsheets and Website Authoring MARK SCHEME Maximum Mark: 70 0983/31 May/June 2023

Published

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began, which would have considered the acceptability of alternative answers.

Mark schemes should be read in conjunction with the question paper and the Principal Examiner Report for Teachers.

Cambridge International will not enter into discussions about these mark schemes.

Cambridge International is publishing the mark schemes for the May/June 2023 series for most Cambridge IGCSE, Cambridge International A and AS Level and Cambridge Pre-U components, and some Cambridge O Level components.

Generic Marking Principles

These general marking principles must be applied by all examiners when marking candidate answers. They should be applied alongside the specific content of the mark scheme or generic level descriptors for a question. Each question paper and mark scheme will also comply with these marking principles.

GENERIC MARKING PRINCIPLE 1:

Marks must be awarded in line with:

- the specific content of the mark scheme or the generic level descriptors for the question
- the specific skills defined in the mark scheme or in the generic level descriptors for the question
- the standard of response required by a candidate as exemplified by the standardisation scripts.

GENERIC MARKING PRINCIPLE 2:

Marks awarded are always whole marks (not half marks, or other fractions).

GENERIC MARKING PRINCIPLE 3:

Marks must be awarded **positively**:

- marks are awarded for correct/valid answers, as defined in the mark scheme. However, credit
 is given for valid answers which go beyond the scope of the syllabus and mark scheme,
 referring to your Team Leader as appropriate
- marks are awarded when candidates clearly demonstrate what they know and can do
- marks are not deducted for errors
- marks are not deducted for omissions
- answers should only be judged on the quality of spelling, punctuation and grammar when these features are specifically assessed by the question as indicated by the mark scheme. The meaning, however, should be unambiguous.

GENERIC MARKING PRINCIPLE 4:

Rules must be applied consistently, e.g. in situations where candidates have not followed instructions or in the application of generic level descriptors.

GENERIC MARKING PRINCIPLE 5:

Marks should be awarded using the full range of marks defined in the mark scheme for the question (however; the use of the full mark range may be limited according to the quality of the candidate responses seen).

GENERIC MARKING PRINCIPLE 6:

Marks awarded are based solely on the requirements as defined in the mark scheme. Marks should not be awarded with grade thresholds or grade descriptors in mind.

Question	Answer	Marks
1	Footer: File name with no path on left Candidate details on right	2
2	Rows 1 & 13: Correct cells merged and centred Grey background Bold and italic, 16 point	10
	A6:C11: Merged cells Right aligned Wrapped as shown	
	Row 14: Centre aligned horizontally Centre aligned vertically Wrapping as shown	
	Cell borders as shown	
3	Landscape, fully visible with row & column headings	1
4	B3 AVERAGE() B15:B45 B4 AVERAGE(B46:B73) C3 AVERAGE(E15:E45) C4 AVERAGE(E46:E73) D3 AVERAGE(H15:H45) D4 AVERAGE(H46:H73) All 6 =ROUND(,1) for all 6 formulae	8
5	D6 =COUNTIF(C\$15:C\$73,">0") D7 =COUNTIF(F\$15:F\$73,">0") D8 =COUNTIF(I\$15:I\$73,">0")	3
6	D9 =COUNTIF(C15:C73,) ,">7.5"	2
7	D10=ROUNDUP(,0) AVERAGE(D15:D45)	2
8	=COUNTIF(D15:D45,"<5")	1
9	Printout Landscape row & column heads fully visible	1
10	Values 2 Cells A1:D11 only Portrait orientation & single page fully visible No row & column headings	3

Question	Answer	Marks
11	Chart Appropriate chart type Appropriate title Month as category axis with axis title Sunshine plotted with correct values on primary value axis with axis title Rainfall plotted with correct calculated values on secondary value axis with axis title maximum scale set to 100 Appropriate legend, chart easily read, no truncation/overlapping	9
12	CSS: All 4 correct styles selected Using single selector Font-family: Calibri , "Helvetica Neue" in speech marks , sans-serif; Correct CSS syntax with selector { }	6
13	Head section: <head> <title>Weather Data</title> <meta/> charset= "ISO-8859-1" <meta name=""/> "author" content="TawaraWeb A Candidate" <meta name=""/> content="Weather data for the Tawara region"> <meta name=""/> content="Weather data for the Tawara region"> <meta name=""/> content="Weather data for the Tawara region"> <meta name="viewport"/> content="width=device-width , initial-scale=2.0" <meta name="keywords"/> content=" " Tawara comma separator weather <base/> Target="_blank" </head>	22

Evidence document Layout				vs 1 & 13 Correct cells merged and centred Grey background Bold and italic, 16 point					1 mark 1 mark 1 mark			
				A6:0	C11		rged cells				1 mark	
							ht aligned				1 mark	
				Row	/ 11	On	ly row 11	wrapp	ed as s	shown	1 mark	
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						colu	umn head	lings			1 mark	
	A	5	C	D	E	F	G	н	1	1	к	
1	Average hours	of sunsh	hine per	month	1.00					1		
2		Amarta	Bingchen	Chelsmy								
3	January	-0.000			£							
4	February				5							
5	the second second second	Accession and the second	the distribution		8							
6	Number of d	and the same set of the same set of the	the second se									
5	Number of da	And the second se	the second s									
9	Number of days wi	and the second sec	the second se									
10	Average wind spe	the second second second	the second s									
	Number of days with a w	the second second second second	and the second se									
11	CARL R. DOM SON CONTRACTOR OF 1973	ots in Amarta										
12												
_	1100000	1.5	Amarto	12	6	lingche	n		Chelsm	W VI		
13	Town		Amand									
13		Sunshine	Rainfall	Wind speed		Rainfall	Wind speed	Sumhine	Rainfall	Wind speed		
13	Date	Sunshine (hours)				0.0.00000000	221	Sunshine (hours)				
			Rainfall (mm)	Wind speed	Sunshine	Rainfall	Wind speed	(hours)	Rainfall	Wind speed		
14 15 16	Date 1st January 2023 2nd January 2023	(hours) 4.224 0.479	Rainfall (mm) 6.86	Wind speed (knots) 13 20	Surshine (hours) 3.246 3.212	Rainfall (mm) 5.36 0	Wind speed (knots) 19 23	(hours) 2.109 4.456	Rainfall (mm) 0.5 0	Wind speed (knots) 10 10		
14	Date Sist January 2023	(hours) 4.224	Raintall (mm) 6.86	Wind speed (knots) 13	Surshine (hours) 3.246	Rainfall (mm) 5.36	Wind speed (knots) 19	(hours) 2.109 4.456 4.019	Rainfail (mm) 0.5	Wind speed (knots) 10		

14th January 2023 29 15th January 2023 2.569

5th January 2023

6th January 2023

7th January 2023 8th January 2023

9th January 2023

10th January 2023

11th January 2023

12th January 2023

13th January 2023

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	Α	8	C	0	1	F	6	H		1
30	16th January 2023	1.744	2.76	23	3.019	3.61	2	2.679	0	13
31	17th January 2023	2.546	0	18	3.525	5.29	6	3.58	3.73	fi
32	18th January 2023	3.717	0	16	2.755	7.08	27	1.707	5.07	D
33	19th January 2023	0.309	8.08	4	4.117	0	20	2,596	9.26	15
34	20th January 2023	1.768	0	- 5	4.289	0	25	1.95	2.82	7
35	21st January 2023	0.952	5.34	11	0.23	0	20	1.745	0	9
36	22nd January 2023	1.576	3.24	28	0.743	0	8	4.535	0.05	6
37	23rd January 2023	1.165	1.8	22	4.303	2.04	3	2.68	0	6
38	24th January 2023	0.77	0.68	30	1.614	5.52	6	0.747	0.01	10
30	25th January 2023	3.283	0	7	0.073	0.23	13	4.82	D	15
40	26th January 2023	3.061	0	0	2.372	0.05	5	3.336	4.2	7
41	27th January 2023	2.667	2.81	25	4.897	0	13	4.245	1.93	4
42	28th January 2023	3.649	1.17	17	2.173	6.9	5	3.736	7.16	18
43	29th January 2023	2.327	3.61	9	2.314	0	25	2.279	4.02	7
44	30th January 2023	2.976	0	10	1.414	0	5	2.626	8.94	1
45	31st January 2023	2.665	6.04	23	1.411	0	12	3.743	D	18
46	1st February 2023	3.648	7.12	27	1.373	0	21	2.281	8.77	19
47	2nd February 2023	3.327	5.53	18	3.598	0	16	2.389	3.55	9
48	3rd February 2023	0.775	2.28	30	1.433	2.89	13	4.455	D	16
49	4th February 2023	0.86	0	29	0.383	0	29	2.737	8.21	6
50	5th February 2023	2.218	8.53	2	0.429	0	14	1.202	7.82	15
31	6th February 2023	4.163	0	26	1.787	3.5	16	0.418	8.5	D
52	7th February 2023	3.909	0	17	3.121	0	- 4	4.56	8.65	19
53	8th February 2023	1.531	8.7	21	3.137	0	4	1.285	0	18
54	9th February 2023	3.785	9,43	13	2.867	6.43	15	4.999	3.82	19
55	10th February 2023	4.062	7.64	24	4.894	0		1.793	9.76	9
56	11th February 2023	4.927	0	16	2.224	0	1	3.809	1.03	2
37	12th February 2023	0.061	0.01	15	4.202	D	20	1.634	0	2
58	13th February 2023	3.076	4.24	2	4.541	0	29	4.03	0	19
59	14th February 2023	1.524	8.75	7	2.067	6.21	16	0.719	0	19
60	15th February 2023	4.31	0	10	0.737	0	10	1.712	6.74	15
61	16th February 2023	1.497	2.02	1	2.118	0	26	0.193	4.56	15

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	Α	8	c	p	1		G	H	4	1
62	17th February 2023	2.013	0	18	0.105	0	9	2.779	0	16
63	18th February 2023	4.467	0	7	3.829	9.65	11	2.506	0	2
64	19th February 2023	1.513	0	21	3.568	0	28	1.334	0.52	5
65	20th February 2023	4.33	7.56	2	3.692	6.23	30	0.252	0	13
66	21st February 2023	1.937	0	28	4.498	0	5	1.362	0	5
67	22nd February 2023	0.71	9.91	3	1.117	2.86	0	4.189	3.91	1
68	23rd February 2023	0.679	3.1	4	1.858	0	10	0.069	0	14
69	24th February 2023	3.204	0	18	4.46	8.67	15	2.676	2.74	6
70	25th February 2023	2.076	7.67	19	1,495	0		1.379	0	5
71	26th February 2023	1.387	6.86	23	3.633	0	29	3.07	4.39	4
72	27th February 2023	4.278	1.79	19	2.058	8.34	1	1.584	6.86	16
73	28th February 2023	0.474	0	16	0.117	0	27	4.948	4.51	20

Footer	File name with no path on left Candidate details on right	1 mark 1 mark

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	A	8			c		D	E
		A	verage ho	urs of sunsi	hine per mont	h		
2		Amat			lingchen	1	Chelsmy	
3	January	=ROUND(AVERAGE	and the second se		RAGE(E15:E45),1)	=ROUND(AVE	RAGE(H15:H45],1)	
4	the second se	=ROUND(AVERAGE			RAGE(E46:E73).1)	the second se	RAGE(H46:H73),1)	
5								
6				Number of da	ys with rain in Amar	ta =COUNTIF(C\$	15:C\$73,">0"]	
7				Number of day:	s with rain in Bingche	en =COUNTIF(F\$	15:F\$73, >0")	
8				Number of day	s with rain in Chelun	-COUNTIF(I\$1	5:(\$73,">0")	
9			Nut	nber of days with	h heavy rain in Amar	ta =COUNTIF(C1	5:C73,">7.5")	
10			Ave	erage wind spee	d in Amerta in Janua	ry =ROUNDUP(A	VERAGE(D15:D45),0)	
						L L		
11	Nu	mber of days with a	wind speed of	less than 5 knot	s in Amarta in Janua	ry +COUNTF(C	5:D45,"<5"}	
12				1	COLUMN TWO IS NOT	_		
13	Town				Amarta			1
	Date	Sunshine	(hours)	Ra	infall (mm)	w	eed (knots)	Sunshine (hours)
14		0.120	-1 - 200		10 12			10 10 10 10
15	1st January 2023	4.224		6.86		13		3.246
16	2nd January 2023			0		20		1.212
17	Brd January 2023			0		20		3.964
18	4th January 2023			0		4		3.256
19	5th January 2023			5.69		21		2.639
20	6th January 2023			0		24		1.236
21	7th January 2023	and a second		8.04		23		1.735
22	8th January 2023			6.42		13		2.047
23	9th January 2023	and the second		0		11	\sim	4.225
24	10th January 2023			6.59		8		3.386
25	11th January 2023			3.89		3	\vdash	1.904
26	12th January 2023	and the second		7.49		0	\vdash	0.072
28	13th January 2023 14th January 2023	to be a first the second se		0.08		20	ł	3.013
6.0	sets tennery 2023	3-102		10		p		1.885
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			-			- ·		· · · ·
			D6		=COUNTIF(1 mark
			D7	:	=COUNTIF(F15:F73."	>0")	1 mark
			D8		=COUNTIF(1 mark
			-		· ·		/	
			D9		=COUNTIF(C15:C73,)	1 mark
					">7.5"			1 mark
			D10		=ROUNDUF	(0)		1 mark
						· · /		
					AVERAGE([1 mark
			D11	:	=COUNTIF(D15:D45,'	<5")	1 mark
			Form				neads fully vi	sible 1 mark
					Landsouper		iouus fully vi	

	A	1	c	D	E
29	15th January 2023	2.569	0	27.	2.34
30	16th January 2023	1.744	2.76	23	3.019
31	17th January 2023	2.546	0	18	3.525
32	18th January 2023	3.717	0	16	2.735
33	19th January 2023	0.309	8.08	4	4.112
34	20th January 2023	1.768	0	5	4.289
35	21st January 2023	0.952	5.34	11	0.23
36	22nd January 2023	1.576	3.24	28	0.743
37	23rd January 2023	3.165	1.8	22	4.303
38	24th January 2023	0.77	0.68	30	3.614
39	25th January 2023	3.283	0	7	0.073
40	26th January 2023	3.061	0	0	2.372
41	27th January 2023	2.647	2.81	25	4,897
42	28th January 2023	3.649	1.17	17	2.173
43	29th January 2023	2.327	3.61	9	2.314
44	30th January 2023	2.976	0	10	1,414
45	31st January 2023	2.665	6.04	23	1.411
46	1st February 2023	3.648	7.12	27	1.373
47	2nd February 2023	3.327	5.53	18	3.598
48	3rd February 2023	0.779	2.28	30	1,433
49	4th February 2023	0.86	0	29	0.383
50	5th February 2023	2.218	8.53	2	0.429
51	6th February 2023	4.163	0	26	1.787
52	7th February 2023	3.909	0	17	3.121
53	8th February 2023	1.531	8.7	21	3.137
54	9th February 2023	3.785	9.43	13	2,867
55	10th February 2023	4.082	7.84	24	4,894
56	11th February 2023	4.927	Ó	16	2.224
57	12th February 2023	0.061	0.01	15	4,202
58.	13th February 2023	3.076	4.24	2	4.541
59	14th February 2023	1.524	8.75	7	2.067
60	15th February 2023	4.31	0	10	0.737

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61	16th February 2023	3.497	2.02	1	2.138
62	17th February 2023	2.013	0	18	0.105
63	18th February 2023	4.467	0	7	3.829
64	19th February 2023	1.513	0	21	3.548
65	20th February 2023	4.33	7.56	2	3.692
66	21st February 2023	3.937	0	28	4.436
67	22nd February 2023	0.73	9.91	3	1.117
68	23rd February 2023	0.679	3.1	4	1.858
69	24th February 2023	3.204	0	18	4.46
70	25th February 2023	2.076	7.67	19	3,495
71	26th February 2023	1.387	6.86	23	3.633
72	27th February 2023	4.278	1.79	19	2.058
73	28th February 2023	0.474	0	16	0.117

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14	Rainfall (mm)	Wind speed (knots)	Sunshine (hours)	Rainfall (mm)	Wind speed (knots)			
	5.36	19	2.109	0.5	10			
16		23	4.456	0	10			
17	9.88	18	4.019	2.97	0			
18	1.6	16	1.827	3.52	18			
19	0	21	7.716	0	4			
20	0	16	5.611	0	8			
21	0	16	2.723	5.8	0			
22	3.88	29	4.144	4.38	13			
23	0	28	2.428	0	11			
24		2	4.625	0	2			
25	4.29	6	1.539	0	12			
26	0	26	4.239	9.05	10			
27	2.09	9	2.472	0	15			
28	0	20	1.184	5.44	10			
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	. F	6	H	- S - 1	1
29	0	12	6.265	0	8
30	3.61	2	6.679	0	13
31	5.29	6	3.58	3.73	6
32	7.08	27	1.707	5.07	D
33	0	20	2.596	9.26	15
34	0	25	1.95	2.82	7
35	0	20	1.745	0	9
36	0	8	4.535	0.05	6
37	2.04	3	2.68	0	6
3B	5.52	6	0.747	0.01	10
39	0.23	13	4.82	0	15
40	0.05	5	3.336	4.2	7
41	0	13	4.245	1.93	4
42	6,9	5	3.736	7.16	18
43	0	25	2.279	4.02	7
44	0	5	2.626	8.94	3
45	0	12	3.743	0	18
46	0	21	2.281	8.77	19
47	0	16	2.389	3.55	9
48	2.89	13	4.455	0	16
49	0	29	2.737	8.21	6
50	0	14	1.202	7.82	15
51	3.5	16	0.418	8.5	0
52	0	4	4.56	8.65	19
53	0	4	1.285	0	18
54	6.43	15	4.999	3.32	19
55	0	8	1.793	9.76	9
56	0	1	3.809	1.03	2
57	Ó.	20	1.634	0	2
58	0	29	4.03	0	19
59	6.21	16	0.719	0	16
60	0	10	1.712	6.74	15

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	F	G	H	1	
61	0	26	0.193	4.56	15
62	0	3	2.779	0	16
	9.65	11	2.506	0	2
64	0	26	1.334	0.82	5
65	6.23	10	0.252	0	13
66	0	5	1.362	0	5
	2.86	0	4,189	3.91	1
68	0	10	6.069	0	14
69	8.67	15	2,676	2.74	6
70	0	3	3.379	0	3
70 71	0	29	3.07	4.39	4
	8.34	1	1.584	6.86	16
73	0	27	4.948	4.51	20

Weather ZZ999 9999.xbx



1 mark

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h1,h2,h3,p {font-family:Calibri,"Helvetica Neue", sans-serif}
                                    CSS All 4 correct styles selected
                                                                              1 mark
                                                                              1 mark
                                           font-family:Calibri
                                           , "Helvetica Neue" in speech marks
                                                                              1 mark
                                                                              1 mark
                                           , sans-serif;
                                           Correct CSS syntax with selector { }
                                                                              1 mark
<head>
<title>Weather Data</title>
<meta charset="ISO-8859-1">
<meta name="author" content="TawaraWeb A Candidate">
<meta name="description" content="Weather data for the Tawara region">
<meta name="viewport" content="width=device-width, initial-scale=2.0">
<meta name="keywords" content="Tawara, weather">
<base target=" blank">
</head>
                       Head section <head>
                                                                                   1 mark
                                    <title>Weather Data</title>
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                                    <meta ... >
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                                    ... charset= ...
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                                    <meta name= ... >
                                    ... "author" ...
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                                    ... content="TawaraWeb A Candidate"
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                                    ... content="Weather data for the Tawara region" 1 mark
                                    <meta name="viewport" ...>
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                                    ... content="width=device-width ...
                                                                                   1 mark
                                    ..., initial-scale=2.0"
                                                                                   1 mark
                                    <meta name="keywords" ... >
                                                                                   1 mark
                                    ... content=" ... "
                                                                                   1 mark
                                    ... Tawara ...
                                                                                   1 mark
                                    ... comma separator
                                                                                   1 mark
                                    ... weather
                                                                                   1 mark
                                    <base ... >
                                                                                   1 mark
                                    target="_blank"
                                                                                   1 mark
```

</head>