

### Cambridge IGCSE (9-1)

#### **INFORMATION & COMMUNICATION TECHNOLOGY**

0983/03

Paper 3 Data Analysis and Website Authoring

October/November 2022

MARK SCHEME

Maximum Mark: 80



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 October/November 2022 series for most Cambridge IGCSE™, Cambridge International A and AS Level components and some Cambridge O Level components.

This document consists of 21 printed pages.

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### CAMBRIDGE IGCSE (9-1) - Mark Scheme

#### **PUBLISHED**

#### **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.

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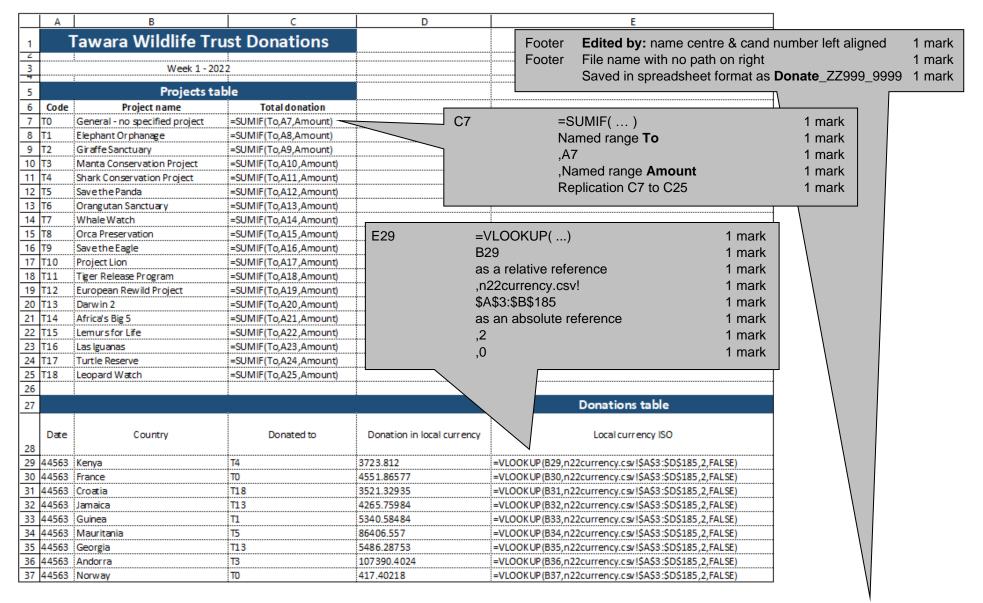
### **GENERIC MARKING PRINCIPLE 5:**

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.

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	Α	В	С	D	E
38	44563	Fiji	то	11755.37145	=VLOOKUP(B38,n22currency.csv!\$A\$3:\$D\$185,2,FALSE)
39	44563	Laos	T13	2530.31508	=VLOOKUP(B39,n22currency.csv!\$A\$3:\$D\$185,2,FALSE)
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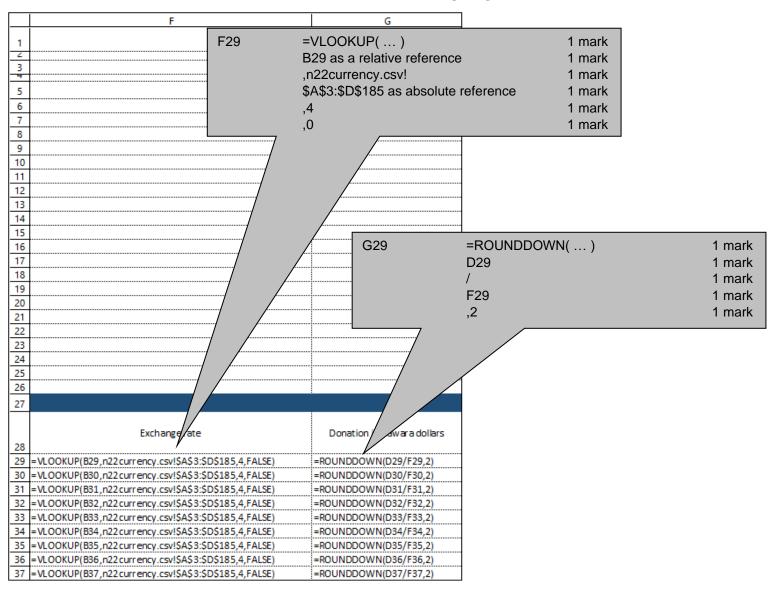
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	F	G
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71	=VLOOKUP (B71,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D71/F71,2)
72	=VLOOKUP (B72,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D72/F72,2)
73	=VLOOKUP (B73,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D73/F73,2)
74	=VLOOKUP (B74,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D74/F74,2)
75	=VLOOKUP (B75,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D75/F75,2)
76		=ROUNDDOWN(D76/F76,2)
77	=VLOOKUP (B77,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D77/F77,2)
78	=VLOOKUP (B78,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D78/F78,2)

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	F F	G	1		
77	=VLOOKUP(B77,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D77/F77,2)			
I	=VLOOKUP(B78,n22 curr ency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D78/F78,2)	1		
79	=VLOOKUP(B79,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D79/F79,2)	1		
80	=VLOOKUP(B80,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D80/F80,2)	1		
81	=VLOOKUP(B81,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D81/F81,2)	1		
82	=VLOOKUP(B82,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D82/F82,2)	1		
83	=VLOOKUP(B83,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D83/F83,2)	1		
84	=VLOOKUP(B84,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D84/F84,2)	1		
85	=VLOOKUP(B85,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D85/F85,2)	1		
86	=VLOOKUP(B86,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D86/F86,2)	1		
87	=VLOOKUP(B87,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D87/F87,2)	1		
88	=VLOOKUP(B88,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D88/F88,2)	1		
89	=VLOOKUP(B89,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D89/F89,2)	1		
90	=VLOOKUP(B90,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D90/F90,2)			
91	=VLOOKUP(B91,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D91/F91,2)			
92	=VLOOKUP(B92,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D92/F92,2)	]		
93	=VLOOKUP(B93,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D93/F93,2)			
94	=VLOOKUP(B94,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D94/F94,2)			
95	=VLOOKUP(B95,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D95/F95,2)			
96	=VLOOKUP(B96,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D96/F96,2)			
97	=VLOOKUP(B97,n22 currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D97/F97,2)			
98	=VLOOKUP(B98,n22 currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D98/F98,2)			
99	=VLOOKUP(B99,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D99/F99,2)			
100	=VLOOKUP(B100,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D100/F100,2)			
101	=VLOOKUP(B101,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D101/F101,2)			
102	=VLOOKUP(B102,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D102/F102,2)			
103	=VLOOKUP(B103,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D103/F103,2)			
104	=VLOOKUP(B104,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D104/F104,2)	] \		
105	=VLOOKUP(B105,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D105/F105,2)			
106	=VLOOKUP(B106,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D106/F106,2)	Replication	columns E, F, G	1 mark
107	=VLOOKUP(B107,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D107/F107,2)	Orientation	Landscape	1 mark
108	=VLOOKUP(B108,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D108/F108,2)	Chemation	•	
109	=VLOOKUP(B109,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D109/F109,2)		Row & column heads & fully visible	1 mark
110	=VLOOKUP(B110,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D110/F110,2)			
111	=VLOOKUP(B111,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D111/F111,2)			
112	=VLOOKUP(B112,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D112/F112,2)			
113	=VLOOKUP(B113,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D113/F113,2)			
114	=VLOOKUP(B114,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D114/F114,2)			
115	=VLOOKUP(B115,n22currency.csv!\$A\$3:\$D\$185,4,FALSE)	=ROUNDDOWN(D115/F115,2)			

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Tawa	ara Wildlife	Trust Do	onations							
	Week 1									
	Project	s table								
Code	Project n	ame	Total donation							
0	General - no specific	ed project	\$68,571.20							
1	Elephant Orphanage	2	\$7,075.50							
2	Giraffe Sanctuary									
3	Manta Conservation	Project	<u> </u>		<u> </u>					
4	Shark Conservation	Formatt	ina Co	ells A1·C1	A3:C3	A5:C5 a	and A27.0	G27 merged	1 mark	
5	Save the Panda	Tomatt	_					_		
5	Orangutan Sanctua			ows 2 & 4		_			1 mark	
7	Whale Watch		R	ows 1 and	5 with v	vhite text	t on a blue	e background	1 mark	
3	Orca Preservation		R	ow 1 - larg	ie 20 poi	int text			1 mark	
)	Save the Eagle			_	•		un a d			
10	Project Lion			ow 1, 3, 5	and 6 Ce	enine ang	gnea		1 mark	
11	Tiger Release Progr		R	ow 6 bold					1 mark	
12	European Rewild P		Fo	ormatting a	applied t	o Row 2	7 to matc	h row 5	1 mark	
13	Darwin 2			_						
14	Africa's Big 5		\$12,094.27	<b></b>						
15	Lemurs for Life		\$0.00	<u> </u>						
16	Las Iguanas		\$153,632.82			<u>.</u>				
17	Turtle Reserve		\$4,363.46							
18	Leopard Watch		\$10,747.05	į						
	!		Donations t	ablo		!				
			Dollations	abic	Local		Describe			
				Donation in	Local	Exchange	Do nation in			
Date	Countr	у	Donated to	local currency	currency	rate	Tawara			
2 /04 /2022	3.84		T4	2722 042	ISO	420.227	dollars \$28.59			
2/01/2022				3723.812		130.227				
2/01/2022			TO	4551.86577		1.124				
2/01/2022	2 Jamaica		T18 T13	3521.32935 4265.75984	٠	8.579 166.711	\$410.45 \$25.58			
			•••••••••••	<b></b>	٠					
2/01/2022	2 Mauritania		T1 T5	5340.58484 86406.557		736.977 31.835	\$7.24 \$2.714.20			
			T13							
2/01/2022	2 Andorra		T3	5486.28753 107390.4024		3.91 1.124				
	2 Norway			10/330,4024	EUR	1.124	00.00			
2/01/2022		·····F	ormatting	Proie	ects col (	C. & Don:	ations col	G as \$ with 2dp	1 m	ark
2/01/2022		······	omatting	•				C do w Willi Zap		
	2 Ethiopia					d in D28:			1 m	ark
2/01/2022				Row	28 text a	aligned o	entre & n	niddle	1 m	ark
	2 Somalia					e page w			1 m	ark
								fully code that a		
	2 Korea (South) 2 Turkmenistan			No re	ow and c	column h	eadings &	& fully visible	1 m	ark
3/01/2022	··•		то	-		33,368	£55.74			
	··•		T12		MVR	18.932	\$66.71 \$148.13			
3/01/2022	2 Maldives			25676.85744	<b></b>	4.147	\$6,191.67			
13/01/2022	z:reiu			230/0.03/44	;FEN	4.14/	20,151.07			
3/01/2022	2 Lecethe		:116	3330.2996	1.01	22.36	\$148.94			

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03/01/2022	Cayman Islands	T2	2741.9819	KYD	1.015	\$2,701.46
	Falkland Islands	TO	15759.40856	FKP	1.024	\$15,390.04
03/01/2022	Nepal	T5	3015.49482	NPR	149.159	\$20.21
03/01/2022	Colombia	T16	4704.39305	COP	4708.458	\$0.99
03/01/2022	Argentina	T9	139018.2224		79.369	\$1,751.54
03/01/2022	Lebanon	T16	3562.07964	LBP	1848.569	\$1.92
03/01/2022	Latvia	T17	1185.3704	EUR	1.124	\$1,054.60
03/01/2022	Tajikistan	T5	17911.88568	TJS	12.51	\$1,431.80
03/01/2022	Gambia	T3	240.90561	GMD	62.705	\$3.84
03/01/2022		T6	7039.93968		11729.488	\$0.60
03/01/2022		T9	187.67892	CAD	1.716	\$109.37
03/01/2022	Kenya	TO	3692.9582	KES	130.227	\$28.35
04/01/2022		TO	14373.52692	EGP	19.385	\$741.47
04/01/2022		то	3531.11344	JMD	166.711	\$21.18
	United States of America	T13	20688.62184		1.229	\$16,833.70
04/01/2022		T8	14275.92456	<del>.</del>	4625.35	\$3.08
04/01/2022		T10	25518.50262	PAB	1.221	\$20,899.67
04/01/2022		T14	1255.4256		1.716	\$731.60
04/01/2022	<u> </u>	T13	105.5998	å	1.124	\$93.95
04/01/2022	l toda	T17	3719.15864	•	1.124	\$3,308,86
04/01/2022	Germany	T2	9153.07062		1.124	\$8,143.30
04/01/2022	lareau	T14	1247.1342		1.024	\$1,217.90
04/01/2022	Q	17	3152,33625		736.977	\$4.27
	Isle of Man	T13	700.35316	å	1.024	\$683.93
04/01/2022		TO	1322.40848	å	4,393	\$301.02
04/01/2022	å	T16	264838.3415	808	8,432	\$31,408.72
	å	<b></b>	7988.90976	<b>:</b>	1.124	\$7,107.57
04/01/2022	Netherlands	T18 T14	5702.33196		1.124	\$5,073.24
04/01/2022	Currie	TO	1233.2656		1.124	\$1,097.21
04/01/2022		T5	b	ò	93.023	\$4,126.00
	Afghanistan Montenegro	TO	383813.8282 21318.07392		1.124	\$18,966,25
		å			4694.352	\$0.48
04/01/2022		T11 T8	2287.63224 4424.77212		1.734	\$2,551.77
05/01/2022	<u> </u>	TO	845.8866	å	12,559	\$67.35
			ò	ò	i	
05/01/2022		T10 T9	3601.21732		93.545	\$38.49
05/01/2022	ò	å	11821.39776		4.472	\$2,643.42
05/01/2022	Q	T14	1543.16208		0.867 4.147	\$1,779.88
05/01/2022		T18	13390.80912	å		\$3,229.03
05/01/2022	•	TO	771.87328	å	51765.473	\$0.01
05/01/2022		T2	7531.40736	X	1.124	\$6,700.54
	Guatemala	T5	1520.81696		9.436	\$161.17
06/01/2022	Uruguay	T4	8095,46544		53.059	\$152.57
06/01/2022		TO	5063.36148		1.124	\$4,504.77 \$2.27
06/01/2022	Congo/Kinshasa	T3	1673.2681	<b>\$</b>	736.977	
	Madagascar	T1	5320.72376		4616.695	\$1.15
06/01/2022	å	T14	1946.32964		18.932	\$102.80
06/01/2022	ò	T14	3893.58918		1.221	\$3,188.85
	New Zealand	T7	40205.32776	å	2.023	\$19,874.11
06/01/2022		T6	22794.30576	SDG	67.995	\$335.23
06/01/2022	Egypt	T11	883.88289	EGP	19.385	\$45.59

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06/01/2022	Samoa	T5	20033.6724	WST	3.428	\$5,844.12
06/01/2022	Isle of Man	T5	5085.66164	IMP	1.024	\$4,966.46
06/01/2022	Monaco	T16	4934.88684	EUR	1.124	\$4,390.46
06/01/2022	South Africa	T16	6402.98448	ZAR	22.142	\$289.17
06/01/2022	Slovakia	TO	8026.40232	EUR	1.124	\$7,140.92
07/01/2022	Turkmenistan	T4	16616.76048	TMT	4.304	\$3,860.77
07/01/2022	United Arab Emirates	T3	23878.76544	AED	4.511	\$5,293.45
07/01/2022	Burundi	T16	332866.0614	BIF	736.977	\$451.66
07/01/2022	Spain	T1	7943.43456	EUR	1.124	\$7,067.11
07/01/2022	Serbia	TO	6831.98352	RSD	132.305	\$51.63
07/01/2022	Bahamas	T16	142410.7712	BSD	1.221	\$116,634.53
07/01/2022	Isle of Man	T8	4902.00004	IMP	1.024	\$4,787.10
07/01/2022	Kuwait	TO	2015.15216	KWD	0.384	\$5,247.79
07/01/2022	Cambodia	T9	47228.70733	KHR	4980.111	\$9.48
07/01/2022	Spain	T4	22115.0232	EUR	1.124	\$19,675.28
07/01/2022	Kyrgyzstan	TO	2295.53396	KGS	95.85	\$23.94
07/01/2022	Kosovo	T13	1816,4402	EUR	1.124	\$1,616,05

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### A Candidate, ZZ999, 9999

	Α	В	С						
-1	Tawara Wildlife Trust Donations								
2									
3	Week 2 - 2022								
4									
5	Projects table								
6	Code	Project name	Total donation						
7	T11	Tiger Release Program	15,000.00						
11	T4	Shark Conservation Project	15,179.01						
17	T10	Project Lion	21,775.69						
18	T0	General - no specified project	26,457.09						
	Extract Nan	ne, centre & candidate number on	left in header	1 mark					
	Extr	act >= 15000	•	1 mark					
	Data sorted into descending order of Project name 1								
	Sing	gle page, row & column headings	& fully visible	1 mark					

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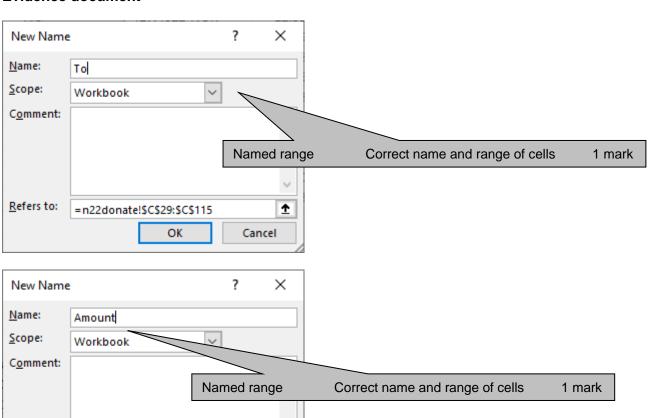
Refers to:

=n22donate!\$G\$29:\$G\$115

OK

## CAMBRIDGE IGCSE (9–1) – Mark Scheme **PUBLISHED**

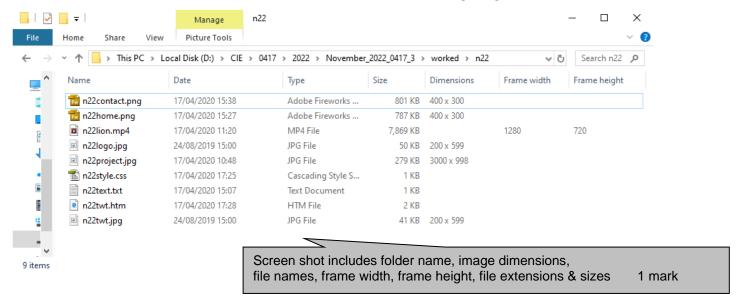
### **Evidence document**



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Cancel



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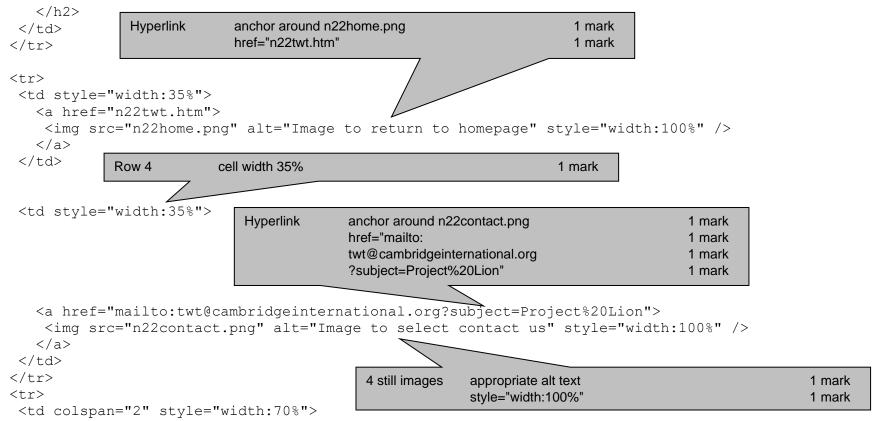
```
<!DOCTYPE html>
<html>
<head>
 <link rel="stylesheet" type="text/css" href="n22style.css">
                          Stylesheet n22style.css attached
               Head section
                                                              1 mark
<body>
  Table
                          width=100%
                          no letters visible
                                                              1 mark
   <t.r>
    Row 1 left
                          width=30%
                                                              1 mark
                          rowspan=5
                                                              1 mark
      <imq src="n22logo.jpg" alt="Logo for Tawara Wildlife Trust" style="width:100%;">
    Row 1 right
                          width=70%
                                                              1 mark
                          colspan=2
                                                              1 mark
    <imq src="n22project.jpq" alt="Title for Project Lion" style="width:100%;">
    Row 2
                          colspan=2
                                                              1 mark
   video <...> tag used ...
                                                              1 mark
                          ... width="100%"
                                                              1 mark
                          source<...> tag used ...
                                                              1 mark
                          src="n22lion.mp4"
                                                              1 mark
                          type="video/mp4"
                                                              1 mark
                          appropriate error message
                                                              1 mark
   <t.r>
    <video width="100%" controls>
```

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```
<source src="n22lion.mp4" type="video/mp4">
    Your browser does not support this video file type.
    </video>

1 mark
```

<h2>Project Lion is a conservation programme. This was launched in 2002 as a joint initiative between local governments in East Africa. The project aims to ensure that a viable population of wild lions can remain in their natural habitats, protecting them from extinction and reducing their impact and interaction with humans. The aim is to develop and enhance the natural wildlife reserves and eco-systems. The fund has set up a Lion Protection Force to combat poachers and to fund the relocation of villagers to minimize human-lion conflicts.

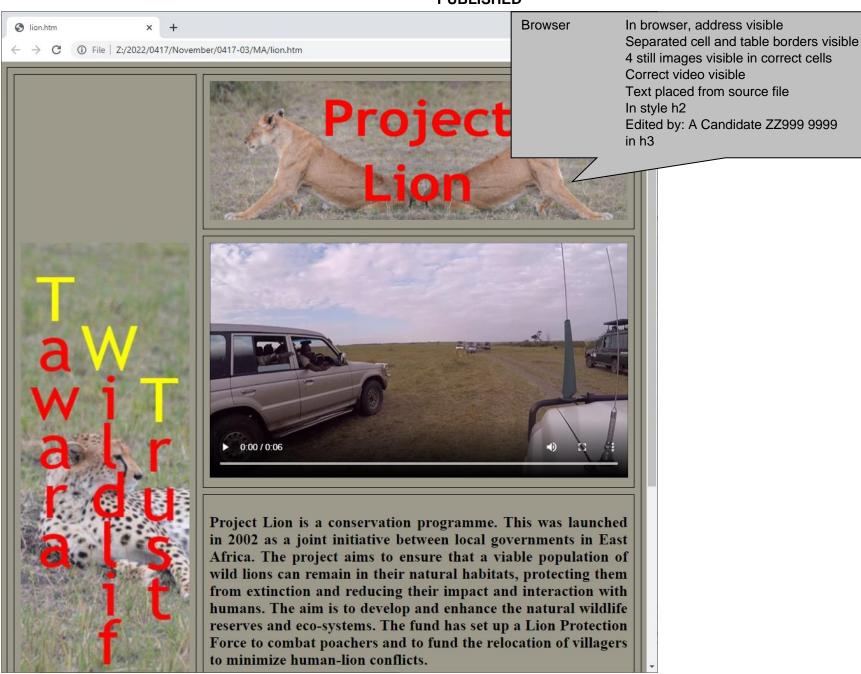


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1 mark

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Project Lion is a conservation programme. This was launched in 2002 as a joint initiative between local governments in East Africa. The project aims to ensure that a viable population of wild lions can remain in their natural habitats, protecting them from extinction and reducing their impact and interaction with humans. The aim is to develop and enhance the natural wildlife reserves and eco-systems. The fund has set up a Lion Protection Force to combat poachers and to fund the relocation of villagers to minimize human-lion conflicts.





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