

Cambridge International Examinations

Cambridge International Advanced Subsidiary and Advanced Level

APPLIED INFORMATION & COMMUNICATION TECHNOLOGY

9713/02

Paper 2 Practical Test A

March 2017

MARK SCHEME
Maximum Mark: 120

D		h	ı	_	h	ed	ı
г	u	IJ	ш	5	п	eu	ı

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.

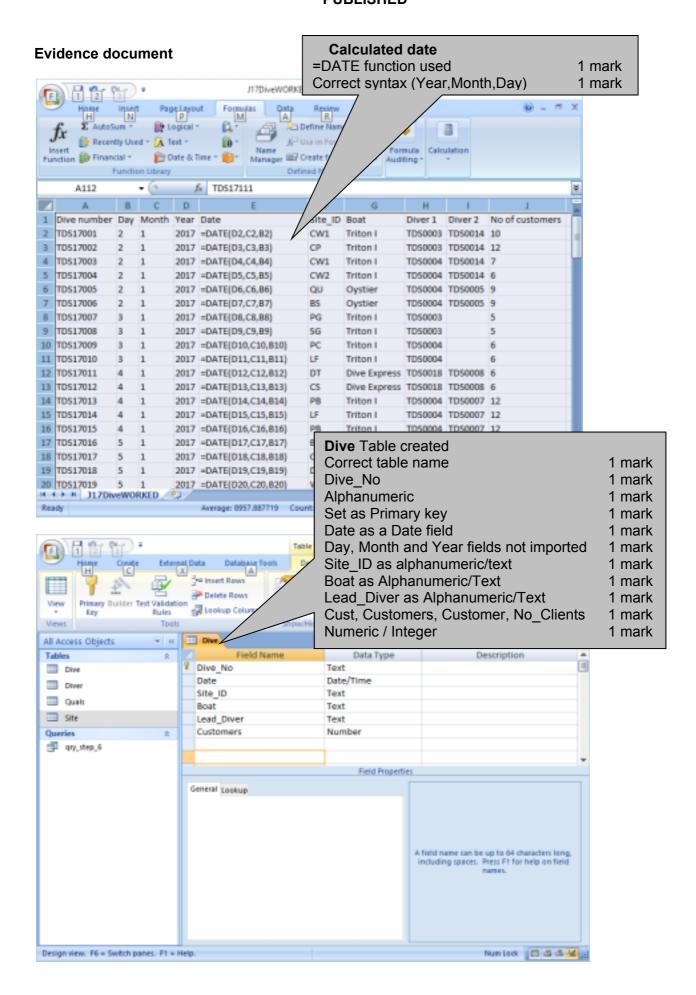
Mark schemes should be read in conjunction with the question paper and the Principal Examiner Report for Teachers.

Cambridge will not enter into discussions about these mark schemes.

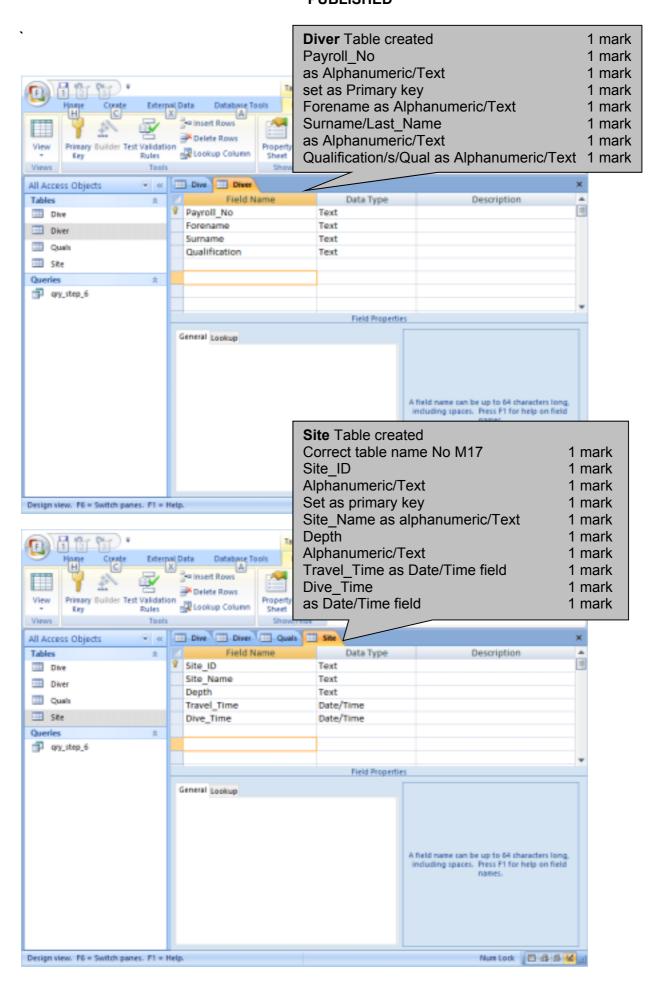
Cambridge is publishing the mark schemes for the March 2017 series for most Cambridge IGCSE[®], Cambridge International A and AS Level components and some Cambridge O Level components.

® IGCSE is a registered trademark.

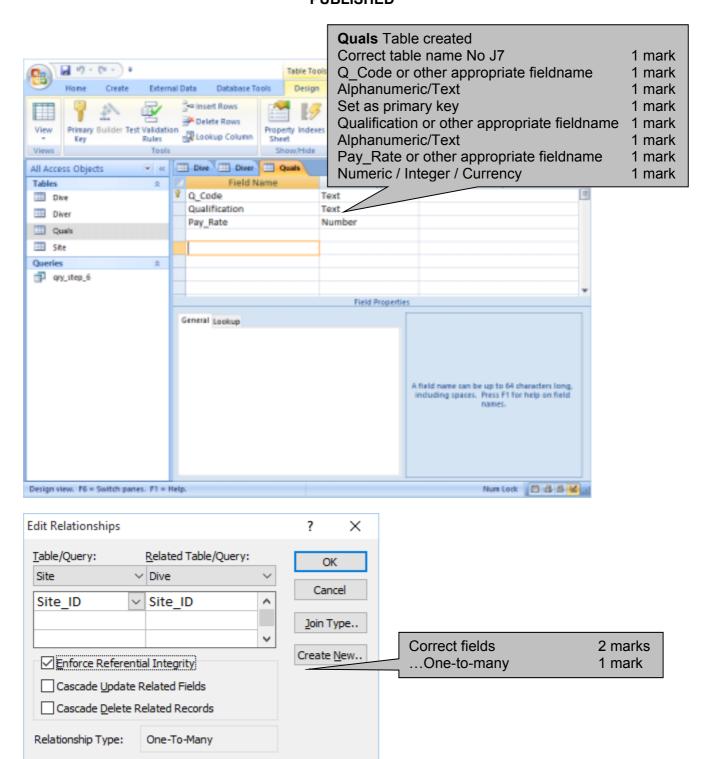




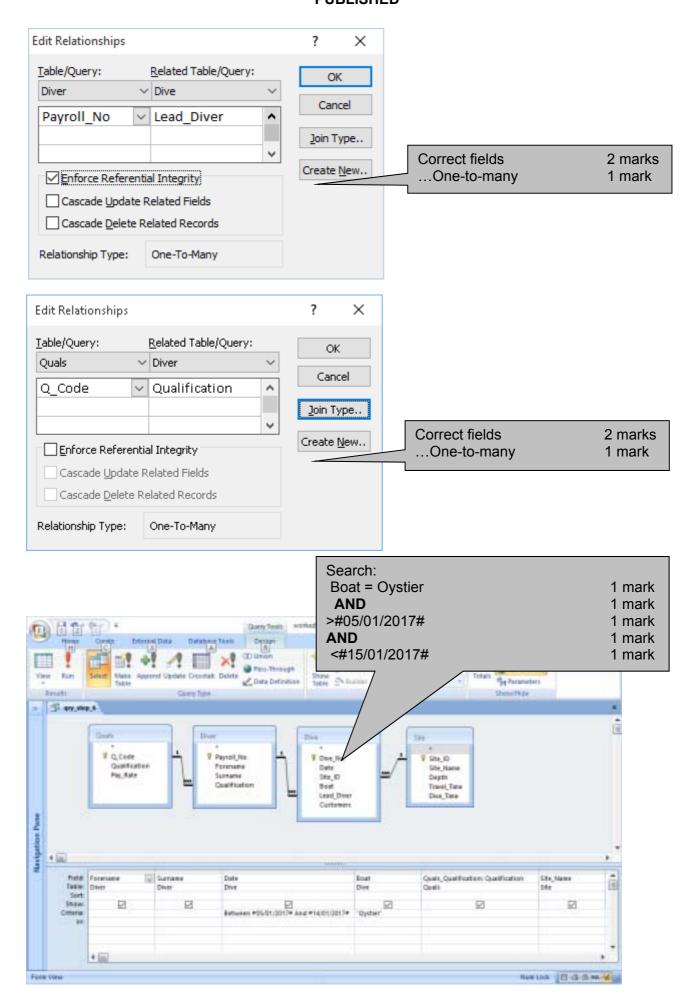
© UCLES 2017 Page 2 of 19



© UCLES 2017 Page 3 of 19



© UCLES 2017 Page 4 of 19



© UCLES 2017 Page 5 of 19

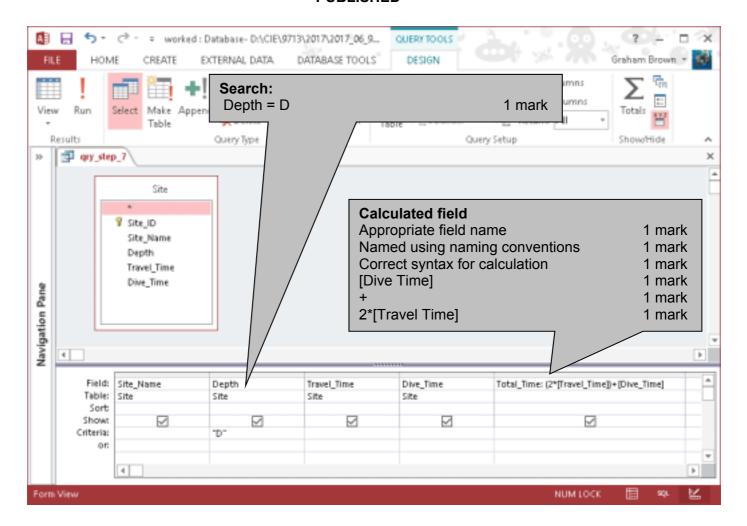
Header:
Appropriate title 1 mark

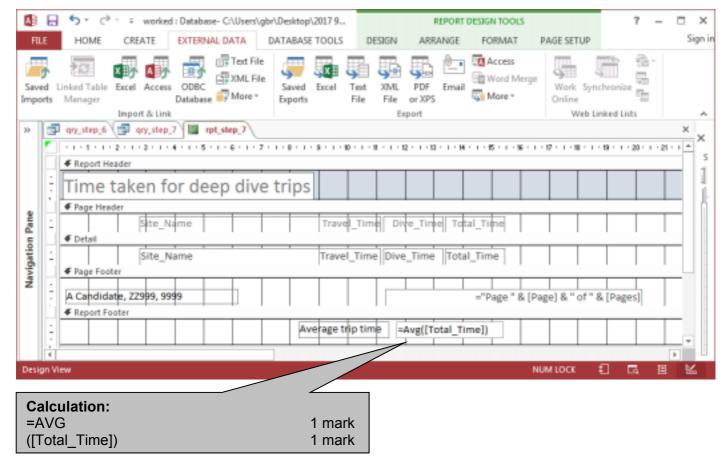
All dives from the Oystier between the 5th and 15th January

Site_Name	Boat	Date	Forename	Surname	Qualification
Cassablanca	Oystier	11/01/2017	Alberto	Acosta	Instructor
La Francesca	Oystier	14/01/2017	Christopher	Scott	Master Instructor
Palancar Bricks	Oystier	10/01/2017	Juan	Gutierrez	Instructor
Palancar Gardens	Oystier	06/01/2017	Christopher	Scott	Master Instructor
Palancar Gardens	Oystier	06/01/2017	Christopher	Scott	Master Instructor
Palancar Gardens	Oystier	11/01/2017	Gustavo	Pulido	Master Instructor
Palancar Gardens	Oystier	11/01/2017	Gustavo	Pulido	Master Instructor
Quervonnes	Oystier	10/01/2017	Juan	Gutierrez	Instructor
Santa Rosa Wall	Oystier	06/01/2017	Pingo	Ake	Instructor
Whitehouse	Oystier	06/01/2017	Pingo	Ake	Instructor
Yucab	Oystier	14/01/2017	Christopher	Scott	Master Instructor
		<u></u>			
Format: Date field dd/mm/yyyy	1 r	mark		esults wn and sorted didate details ir	

Report by A Candidate, XX999, 9999

© UCLES 2017 Page 6 of 19





© UCLES 2017 Page 7 of 19

Time taken for deep dive trips

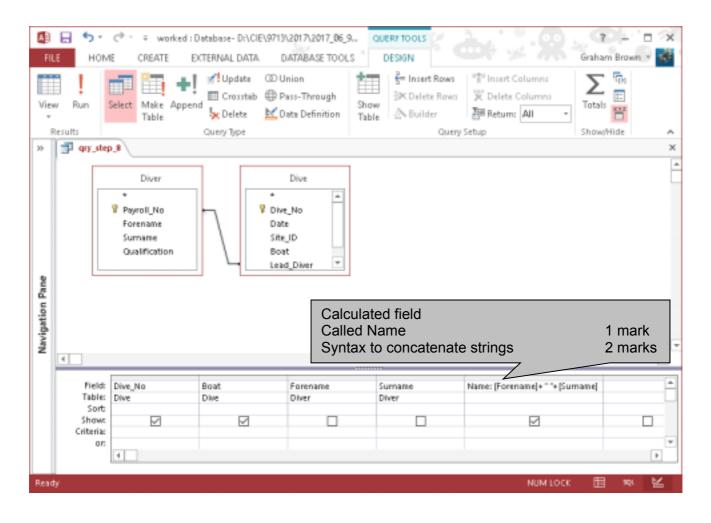
Site_Name	Travel_Time	Dive_Time	Total_Time
Maracaibo	00:40	00:35	01:55
Columbia Deep	00:36	00:40	01:52
Columbia Pinnacles	00:35	00:40	01:50
Punta Sur	00:35	00:40	01:50
Devils Throat	00:34	00:30	01:38
Jorges Reef	00:21	00:45	01:27
Palancar Caves	00:22	00:40	01:24
Quervonnes	00:21	00:40	01:22
Palancar Bricks	00:19	00:40	01:18
Palancar Gardens	00:18	00:40	01:16
San Fransisco Wall	00:10	00:40	01:00
Cedral Wall	00:07	00:45	00:59
Santa Rosa Wall	00:03	00:40	00:46
	Average trip time		01:25

A Candidate, ZZ999, 9999

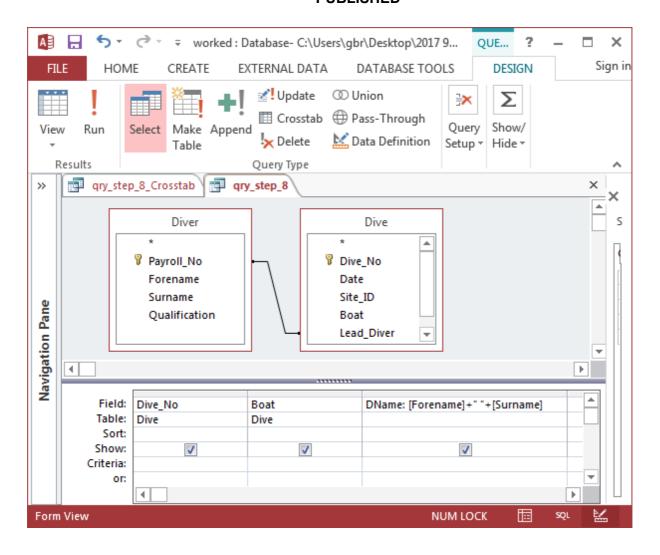
Page 1 of 1

Calculations:	
Correct calcs for calc field	1 mark
Correct calc for calc control	1 mark
Format:	
All 3 Time fields hh:mm	3 marks
Calculated control hh mm	1 mark
Positioning of calculated control	1 mark
Appropriate label for calc control	1 mark
Candidate details in footer	1 mark

© UCLES 2017 Page 8 of 19



© UCLES 2017 Page 9 of 19



© UCLES 2017 Page 10 of 19

Header:

Appropriate title 1 mark and contains candidate details 1 mark

Number of dives by each lead diver from	each boat
Report created by A Candidate, ZZ999, 9999	

Name	Dive Express	Oystier	Triton I
Alberto Acosta	1	1	4
Carlos Heredia	2		2
Christopher Scott		4	20
Edwin Heredia			1
Gustavo Alamilla	1		
Gustavo Pulido		13	
Ismael Cardenas		2	
Jesus Euan	2		
Jesus Zapata	3		
Jorge Burgos		2	33
Juan Gutierrez		6	9
Laba Cohua			1
Michelle Scott			4
Pingo Ake		2	
Rita Grajales	1		

Format:

Single portrait page and **all** fully visible 1 mark Gridlines visible 1 mark

Crosstab/Pivot table:

Correct values

Name as row headings Boat name as column headings Count as mathematical operation

1 mark 1 mark 1 mark

1 mark

© UCLES 2017 Page 11 of 19

PUBLISHED

Header:

Appropriate title 1 mark Report created by: and candidate details 1 mark

Dives at Palancar, Columbia or Cedral

Report created by: A Candidate, ZZ999, 9999

Forename Surname Qualification Pay_Rate

Site_Name

Date Boat

Alberto Acosta Instructor 32000

Palancar Bricks

22/01/2017 Triton I 22/01/2017 Triton I

Carlos Heredia **Dive Master** 24000

Columbia Pinnacles

23/01/2017 Dive Express

Columbia Shallows

23/01/2017 Dive Express

Christopher Scott Master Instructor 46000

Palancar Bricks

21/01/2017 Triton I 09/01/2017 Triton I 21/01/2017 Triton I 19/01/2017 Triton I

Palancar Caves

09/01/2017 Triton I 21/01/2017 Triton I

Palancar Gardens

06/01/2017 Oystier 16/01/2017 Triton I 08/01/2017 Triton I 06/01/2017 Oystier 16/01/2017 Triton I

08/01/2017 Triton I

Gustavo Alamilla Instructor 32000

Columbia Pinnacles

12/01/2017 Dive Express

Palancar Bricks

26/01/2017 Oystier 26/01/2017 Oystier

Palancar Caves

Search:

Palancar, Columbia, or Cedral 3 marks Grouping level 1: ...Forename 1 mark

...Surname 1 mark ...Qualification 1 mark ...Pay_Rate in group header

1 mark

Grouping level 2:

...Site_Name 1 mark

Report detail:

...Date & Boat only 1 mark

© UCLES 2017 Page 12 of 19

Cambridge International AS/A Level – Mark Scheme **PUBLISHED**

F	orename	Surname	Qualific	ation Site_Name	Pay_Rate		
						Date	Boat
						20/01/2017	Oystier
						17/01/2017	Oystier
				Palancar Garde	ns		
						11/01/2017	Oystier
						11/01/2017	Oystier
19	smael	Cardenas	Instruct	or	32000		
				Palancar Caves			
						21/01/2017	Oystier
J	esus	Euan	Dive Ma		24000		
				Columbia Shallo	OWS		
							Dive Express
						04/01/2017	Dive Express
J	orge	Burgos	Instruct		32000		
				Cedral Wall		00/01/001=	
						02/01/2017	
				Carles I Dana		02/01/2017	Triton I
				Cedral Pass		15/01/2017	Tuiton
				Columbia Shallo	2146	15/01/2017	Triton i
				Columbia Small	JWS	23/01/2017	Triton I
						13/01/2017	
				Palancar Bricks		13/01/2017	TITCOTT
				raiancai bricks		15/01/2017	Triton I
						02/01/2017	
						11/01/2017	•
						08/01/2017	
						04/01/2017	
						04/01/2017	
						15/01/2017	
						11/01/2017	
				Palancar Caves			
						08/01/2017	Triton I
						03/01/2017	Triton I
						14/01/2017	Triton I
						17/01/2017	Triton I
27 <i>F</i>	August 2015					Page 2 of 3	

© UCLES 2017 Page 13 of 19

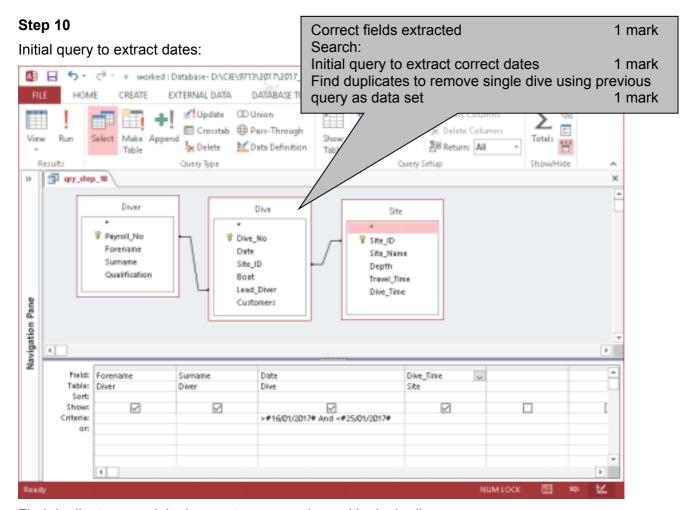
Forename	Surname	Qualific	cation Site_Name	Pay_Rate		
			_		Date	Boat
			Palancar Garde	ens		
					20/01/2017	Triton I
					23/01/2017	Triton I
					20/01/2017	Triton I
Juan	Gutierrez	Instruc	tor	32000	, ,	
			Cedral Wall			
					02/01/2017	Triton I
			Cedral Pass		0=, 0=, =0=;	
			000.0		02/01/2017	Triton I
			Palancar Bricks		02,01,201,	
			r didnical Bricks	,	05/01/2017	Triton I
					10/01/2017	
					16/01/2017	•
			Palancar Garde	ens	10/01/2017	O y stiei
			raidifear Garae	.113	13/01/2017	Triton I
					23/01/2017	
					03/01/2017	•
					23/01/2017	
					13/01/2017	,
					03/01/2017	
Lobo	Cohuo	Instruc	tor	32000	03/01/2017	TITCOTT
LODO	Condo	mstruc	Palancar Bricks			
			raialical blicks	•	07/01/2017	Triton I
Michelle	Scott	Instruc	tor	32000	07/01/2017	11110111
Michelle	30011	mstruc	Palancar Caves			
			raiaileai Caves	•	10/01/2017	Triton I
Rita	Grajales	Instruc	tor	32000	10/01/201/	11110111
וזונמ	Grajales	111511 01	เดา Columbia Shall			
			Columbia Silali	UW5		

All fields present and fully visible	1 mark
Orientation portrait	1 mark
Printed single page wide	1 mark

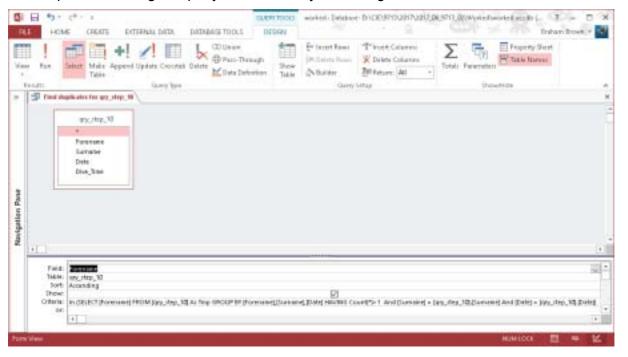
27 August 2015 Page 3 of 3

12/01/2017 Dive Express

© UCLES 2017 Page 14 of 19



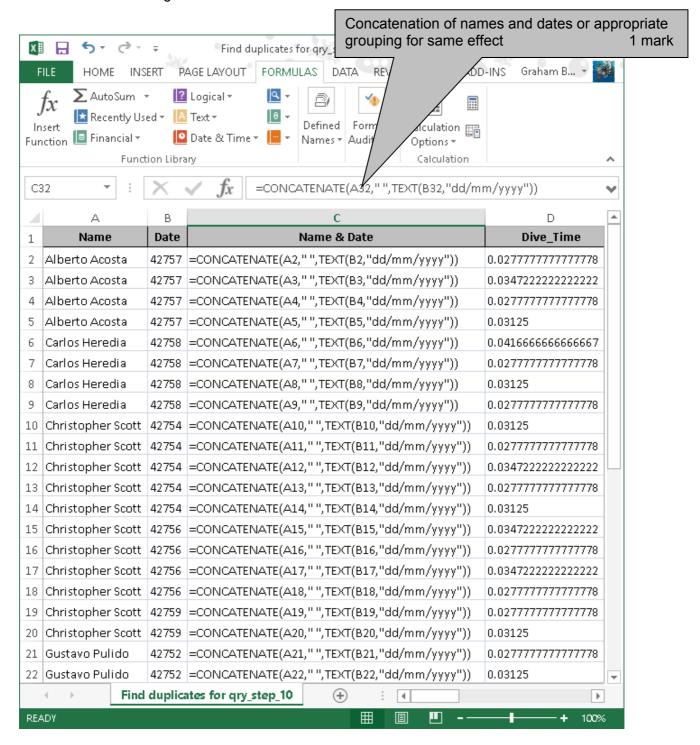
Find duplicates on original query to remove days with single dives:



© UCLES 2017 Page 15 of 19

Exported into a spreadsheet:

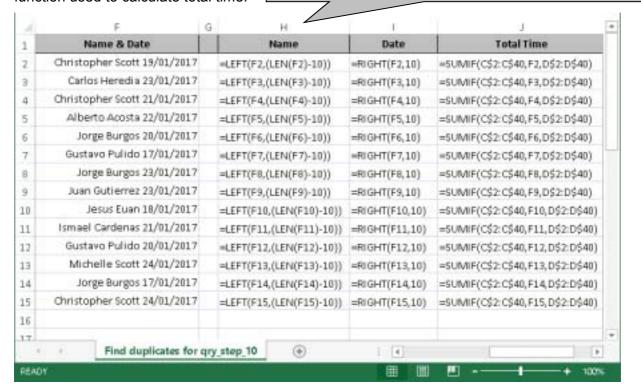
Names and dates merged with dates converted to text.



© UCLES 2017 Page 16 of 19

Find duplicates function run to give single list and dates. Then SUMIF function used to calculate total time.

Find duplicates or appropriate grouping 1 mark SUMIF correct formulae or grouped subtotals 1 mark Calculations to retain original names and dates 1 mark



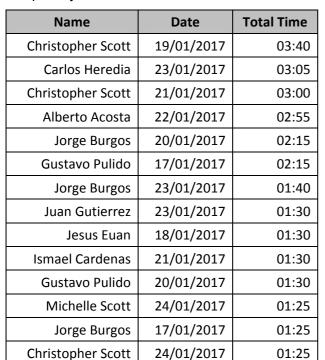
Name and date removed from string for final formatting.

© UCLES 2017 Page 17 of 19

Correct totals shown 1 mark
Sorted into descending on total dive time 1 mark

Total dive times for all lead divers with more than 1 daily dive between 16th and 25th January

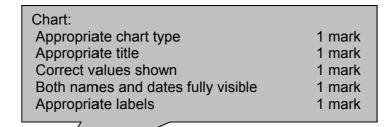
Report by A Candidate, ZZ999, 9999

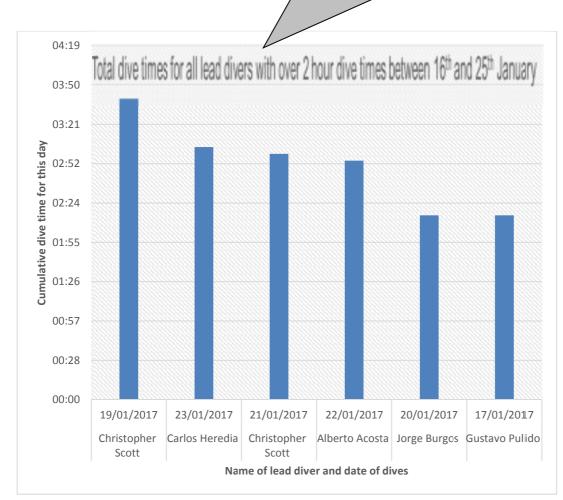




Name and Candidate details in the header 1 mark
Appropriate title includes >1 dive per day
and correct 2 dates & total dive time 1 mark
Appropriate image selection 1 mark
Appropriate position/aspect ratio 1 mark
Tabular form with gridlines present 1 mark

© UCLES 2017 Page 18 of 19





© UCLES 2017 Page 19 of 19