

Cambridge International Examinations Cambridge International Advanced Subsidiary and Advanced Level

APPLIED INFORMATION & COMMUNICATION TECHNOLOGY

9713/02 March 2017

Paper 2 Practical Test A MARK SCHEME Maximum Mark: 120

Published

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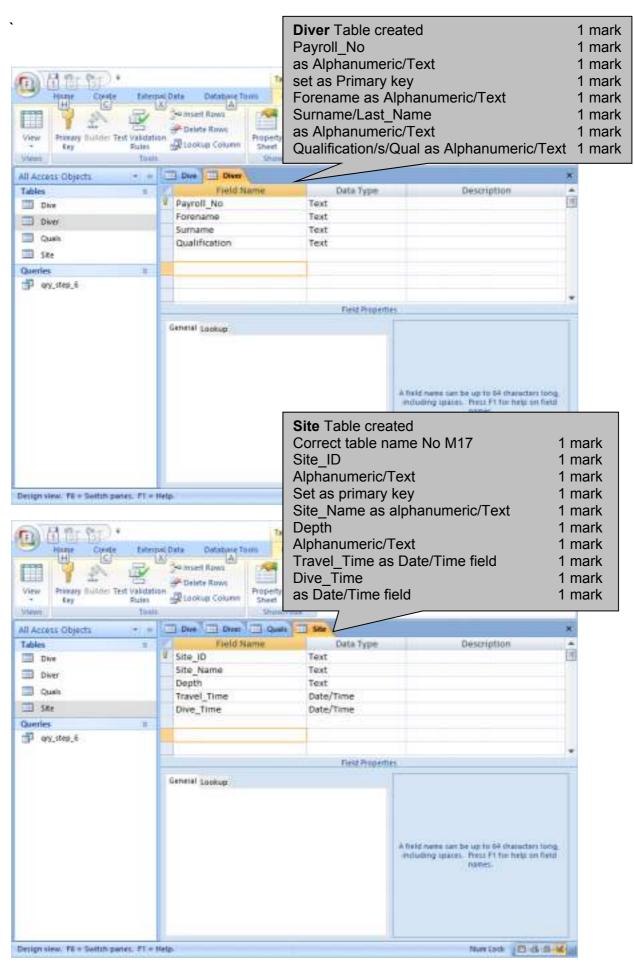
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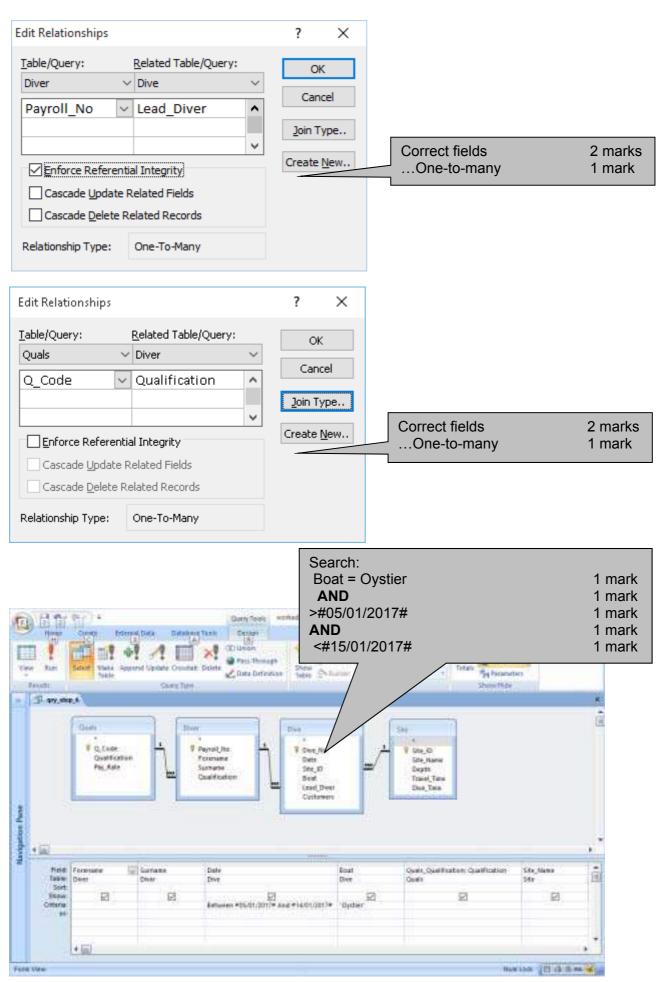
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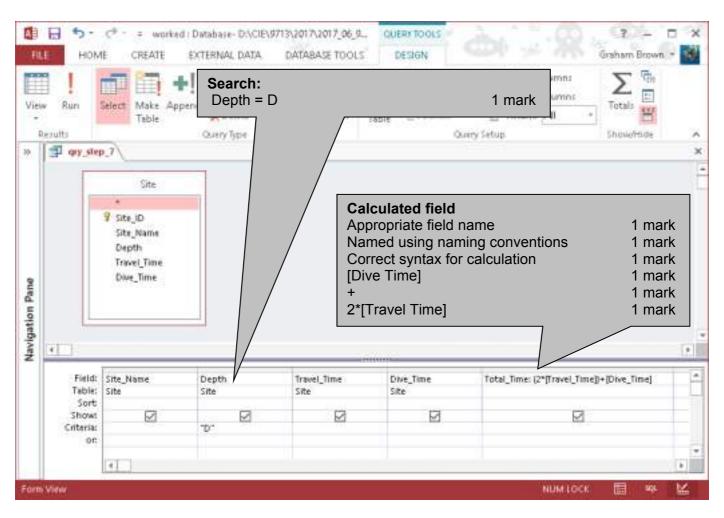
Header: Appropriate title

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
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Report by A Candidate, XX999, 9999



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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

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Ζ Number of dives by each lead diver from each boat Report preated by A Candidate, 22999, 9999 Oystier Name Dive Express Triton I Aberto Acosta 1 1 4 2 2 Carlos Heredia Christopher Scott 4 28 1 Edwin Heredia Gustavo Alamilla ï Gustavo Pulido 13 Ismael Cardenas 2 Jesus Euan 2 3 Jesus Zapata 2 33 Jonge Burgos 9 Juan Gutierrez 6 Lobo Cohuo 1 Michelle Scott 4 Pingo Ake 2 1 Rita Grajales Format:

Single portrait page and **all** fully visible 1 mark Gridlines visible 1 mark Crosstab/Pivot table: Name as row headings 1 mark Boat name as column headings 1 mark Count as mathematical operation 1 mark Correct values 1 mark

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Palancar, C	olumbia.or	Cedral	3 m	arks	Site_Na		1 mark
Grouping lev							
Forename			1 m	ark	Report det		
Surname				ark	Date &	Boat only	1 mark
Qualificat				ark			
Pay_Rate	e in group h	eauer	n m	lark			

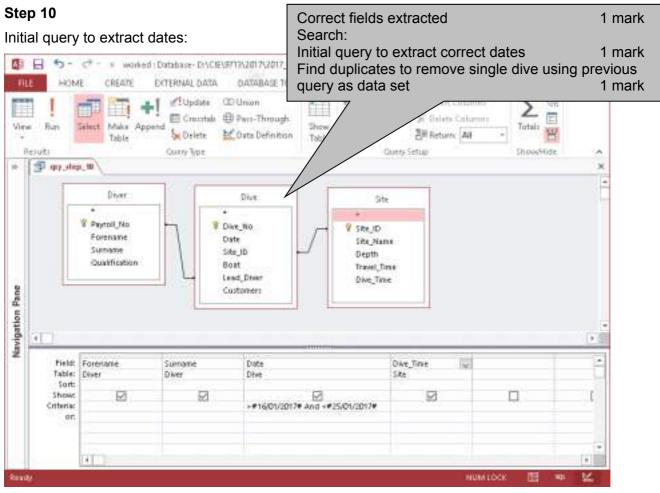
	Forename	Surname	Qualific	ation Site_Name	Pay_Rate		
						Date	Boat
						20/01/2017	Oystier
						17/01/2017	Oystier
				Palancar Garde	ns		
						11/01/2017	
						11/01/2017	Oystier
	Ismael	Cardenas	Instruct		32000		
				Palancar Caves			
		_				21/01/2017	Oystier
	Jesus	Euan	Dive Ma		24000		
				Columbia Shall	ows		
							Dive Express
	1	D	1		22000	04/01/201/	Dive Express
	Jorge	Burgos	Instruct		32000		
				Cedral Wall		02/01/2017	Tuiters I
						02/01/2017	
				Cedral Pass		02/01/2017	THIONT
				Ceural Pass		15/01/2017	Triton
				Columbia Shall	0.WS	13/01/2017	moni
				Columbia Shan	0 1 1 3	23/01/2017	Triton I
						13/01/2017	
				Palancar Bricks		13/01/2017	monn
						15/01/2017	Triton I
						02/01/2017	
						11/01/2017	
						08/01/2017	
						04/01/2017	
						04/01/2017	
						15/01/2017	Triton I
						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	7 August 2015					Page 2 of 3	

Forename	Surname	Qualification Site_Name	Pay_Rate		
				Date	Boat
		Palancar Gar	dens		
				20/01/2017	
				23/01/2017	
				20/01/2017	Triton I
Juan	Gutierrez	Instructor	32000		
		Cedral Wall			
				02/01/2017	Triton I
		Cedral Pass			
				02/01/2017	Triton I
		Palancar Bric	ks		
				05/01/2017	
				10/01/2017	
				16/01/2017	Oystier
		Palancar Gar	dens		
				13/01/2017	
				23/01/2017	
				03/01/2017	
				23/01/2017	
				13/01/2017	
Laba	Calaura	la star star	22000	03/01/2017	Iriton I
Lobo	Cohuo	Instructor	32000		
		Palancar Bric	KS	07/01/2017	Tuiters
Michelle	Coott	la atau ata a	22000	07/01/2017	Iriton I
witchelle	Scott	Instructor Palancar Cav	32000		
		Palancar Cav	es	10/01/2017	Tritop
Rita	Craialoc	Instructor	32000	10/01/2017	THIONT
NILd	Grajales	Instructor Columbia Sha			
			a110WS	12/01/2017	Dive Express
				12/01/201/	Dive Express

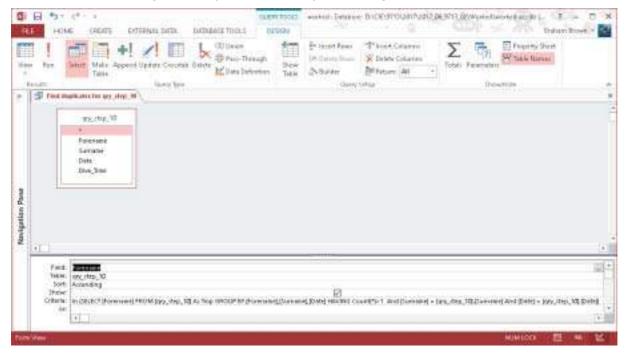
All fields present and fully visible	1 mark
Orientation portrait	1 mark
Printed single page wide	1 mark

27 August 2015

Page 3 of 3



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



Exported into a spreadsheet:

Names and dates merged with dates converted to text.

PILE HOME INSERT PAGE LAYOUT FORMULAS DATA RE DD-INS Graham B Inset AutoSum - IL logical - Imset Text + Imset Imset <tdimset< td=""> <tdimset< td=""> <tdim< th=""><th>x</th><th>ि ५- ले-</th><th>Ŧ</th><th>Find duplicates for gry_s</th><th></th><th>opropriate 1 mark</th></tdim<></tdimset<></tdimset<>	x	ि ५ - ले-	Ŧ	Find duplicates for gry_s		opropriate 1 mark	
Function Date of limits* Names* Audit Options* C32 i fx =CONCATENATE(A52, "', TEXT(B32, "dd/mm/yyyy")) A B C D 1 Name Date Name & Date Dive_Time 2 Alberto Acosta 42757 =CONCATENATE(A3," '', TEXT(B3,"dd/mm/yyy")) 0.0277777777777777777777777777777777777	j	fx ∑AutoSum	- [? ed - 🔼	Logical - Q - Print Culation			
A B C D 1 Name Date Name & Date Dive_Time 2 Alberto Acosta 42757 =CONCATENATE(A2," ",TEXT(B2,"dd/mm/yyyy")) 0.027777777777777778 3 Alberto Acosta 42757 =CONCATENATE(A3," ",TEXT(B3,"dd/mm/yyyy")) 0.034722222222222222 4 Alberto Acosta 42757 =CONCATENATE(A4," ",TEXT(B4,"dd/mm/yyyy")) 0.0277777777777777777777777777777777777		iction 🔝 Financial 🛪		Date & Time * 📕 * Names * Audir Options * -		^	
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3 Alberto Acosta 42757 =CONCATENATE(A3, "',TEXT(B3,"dd/mm/yyyy")) 0.03472222222222222222 4 Alberto Acosta 42757 =CONCATENATE(A4, "',TEXT(B4,"dd/mm/yyyy")) 0.03125 5 Alberto Acosta 42757 =CONCATENATE(A5, "',TEXT(B5,"dd/mm/yyyy")) 0.03125 6 Carlos Heredia 42758 =CONCATENATE(A6, "',TEXT(B5,"dd/mm/yyyy")) 0.04166666666666666667 7 Carlos Heredia 42758 =CONCATENATE(A7, ",TEXT(B6,"dd/mm/yyyy")) 0.02777777777778 8 Carlos Heredia 42758 =CONCATENATE(A8, "',TEXT(B8,"dd/mm/yyyy")) 0.027777777777778 9 Carlos Heredia 42758 =CONCATENATE(A10, "',TEXT(B10,"dd/mm/yyyy")) 0.0277777777777777777777777777777777777	1	Name	Date	Name & Date	Dive_Time		
4 Alberto Acosta 42757 =CONCATENATE(A4," ",TEXT(B4,"dd/mm/yyyy")) 0.02777777777777778 5 Alberto Acosta 42757 =CONCATENATE(A5," ",TEXT(B5,"dd/mm/yyyy")) 0.03125 6 Carlos Heredia 42758 =CONCATENATE(A6," ",TEXT(B6,"dd/mm/yyyy")) 0.027777777777777778 7 Carlos Heredia 42758 =CONCATENATE(A7," ",TEXT(B6,"dd/mm/yyyy")) 0.0277777777777777778 8 Carlos Heredia 42758 =CONCATENATE(A8," ",TEXT(B1,"dd/mm/yyyy")) 0.02777777777777778 9 Carlos Heredia 42758 =CONCATENATE(A1," ",TEXT(B1,"dd/mm/yyy")) 0.02777777777777777777777777778 10 Christopher Scott 42754 =CONCATENATE(A1," ",TEXT(B1,"dd/mm/yyy")) 0.03125 11 Christopher Scott 42754 =CONCATENATE(A1," ",TEXT(B1,"dd/mm/yyy")) 0.034722222222222 13 Christopher Scott 42754 =CONCATENATE(A1," ",TEXT(B1,"dd/mm/yyy")) 0.03125 14 Christopher Scott 42754 =CONCATENATE(A1," ",TEXT(B1,"dd/mm/yyy")) 0.0347222222222222222222222222222222222222	2	Alberto Acosta	42757	=CONCATENATE(A2," ",TEXT(B2,"dd/mm/yyyy"))	0.0277777777777778		
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8 Carlos Heredia 42758 =CONCATENATE(A8," ",TEXT(B8,"dd/mm/yyyy")) 0.03125 9 Carlos Heredia 42758 =CONCATENATE(A9," ",TEXT(B9,"dd/mm/yyyy")) 0.0277777777777777777777777777777777777	6	Carlos Heredia	42758	=CONCATENATE(A6," ",TEXT(B6,"dd/mm/yyyy"))	0.0416666666666666		
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10 Christopher Scott 42754 =CONCATENATE(A10," ",TEXT(B10,"dd/mm/yyyy")) 0.03125 11 Christopher Scott 42754 =CONCATENATE(A11," ",TEXT(B11,"dd/mm/yyy")) 0.027777777777777777778 12 Christopher Scott 42754 =CONCATENATE(A11," ",TEXT(B12,"dd/mm/yyy")) 0.0347222222222222222222222222222222222222	8	Carlos Heredia	42758	=CONCATENATE(A8," ",TEXT(B8,"dd/mm/yyyy"))	0.03125		
11 Christopher Scott 42754 =CONCATENATE(A11," ",TEXT(B11,"dd/mm/yyyy")) 0.0277777777777777777777777777777777777	9	Carlos Heredia	42758	=CONCATENATE(A9," ",TEXT(B9,"dd/mm/yyyy"))	0.02777777777777778		
12 Christopher Scott 42754 =CONCATENATE(A12,"",TEXT(B12,"dd/mm/yyyy")) 0.0347222222222222222222222222222222222222	10	Christopher Scott	42754	=CONCATENATE(A10," ",TEXT(B10,"dd/mm/yyyy"))	0.03125		
13 Christopher Scott 42754 =CONCATENATE(A13,"',TEXT(B13,"dd/mm/yyyy")) 0.0277777777777777777777777777777777777	11	Christopher Scott	42754	=CONCATENATE(A11," ",TEXT(B11,"dd/mm/yyyy"))	0.02777777777777778		
14 Christopher Scott 42754 =CONCATENATE(A14," ',TEXT(B14,"dd/mm/yyyy")) 0.03125 15 Christopher Scott 42756 =CONCATENATE(A15," ',TEXT(B15,"dd/mm/yyyy")) 0.0347222222222222222222222222222222222222	12	Christopher Scott	42754	=CONCATENATE(A12," ",TEXT(B12,"dd/mm/yyyy"))	0.0347222222222222		
15 Christopher Scott 42756 =CONCATENATE(A15,"',TEXT(B15,"dd/mm/yyyy")) 0.0347222222222222222222222222222222222222	13	Christopher Scott	42754	=CONCATENATE(A13," ",TEXT(B13,"dd/mm/yyyy"))	0.0277777777777778		
16 Christopher Scott 42756 =CONCATENATE(A16, ",TEXT(B16,"dd/mm/yyyy")) 0.0277777777777777777777777777777777777	14	Christopher Scott	42754	=CONCATENATE(A14," ",TEXT(B14,"dd/mm/yyyy"))	0.03125		
17 Christopher Scott 42756 =CONCATENATE(A17," ',TEXT(B17,"dd/mm/yyyy")) 0.0347222222222222222222222222222222222222	15	Christopher Scott	42756	=CONCATENATE(A15," ",TEXT(B15,"dd/mm/yyyy"))	0.0347222222222222		
18 Christopher Scott 42756 =CONCATENATE(A18," ',TEXT(B18,"dd/mm/yyyy'')) 0.0277777777777777777777777777777777777	16	Christopher Scott	42756	=CONCATENATE(A16," ",TEXT(B16,"dd/mm/yyyy"))	0.02777777777777778		
19 Christopher Scott 42759 =CONCATENATE(A19," ',TEXT(B19,"dd/mm/yyyy")) 0.0277777777777777777777 20 Christopher Scott 42759 =CONCATENATE(A20," ',TEXT(B20,"dd/mm/yyyy")) 0.03125 21 Gustavo Pulido 42752 =CONCATENATE(A21," ',TEXT(B21,"dd/mm/yyyy")) 0.0277777777777777777777777777777777777	17	Christopher Scott	42756	=CONCATENATE(A17," ",TEXT(B17,"dd/mm/yyyy"))	0.0347222222222222		
20 Christopher Scott 42759 =CONCATENATE(A20," ",TEXT(B20,"dd/mm/yyyy")) 0.03125 21 Gustavo Pulido 42752 =CONCATENATE(A21," ",TEXT(B21,"dd/mm/yyyy")) 0.0277777777777777777777777777777777777	18	Christopher Scott	42756	=CONCATENATE(A18," ",TEXT(B18,"dd/mm/yyyy"))	0.02777777777777778		
21 Gustavo Pulido 42752 =CONCATENATE(A21," ",TEXT(B21,"dd/mm/yyyy")) 0.0277777777777777777 22 Gustavo Pulido 42752 =CONCATENATE(A22," ",TEXT(B22,"dd/mm/yyyy")) 0.03125 Image: Concent of the state of the	19	Christopher Scott	42759	=CONCATENATE(A19," ",TEXT(B19,"dd/mm/yyyy"))	0.02777777777777778		
22 Gustavo Pulido 42752 =CONCATENATE(A22," ",TEXT(B22,"dd/mm/yyyy")) 0.03125 ✓ Find duplicates for qry_step_10 ÷ ▲	20	Christopher Scott	42759	=CONCATENATE(A20," ",TEXT(B20,"dd/mm/yyyy"))	0.03125		
Find duplicates for qry_step_10 + i	21	Gustavo Pulido	42752	=CONCATENATE(A21," ",TEXT(B21,"dd/mm/yyyy"))	0.02777777777777778		
	22	Gustavo Pulido	42752	=CONCATENATE(A22," ",TEXT(B22,"dd/mm/yyyy"))	0.03125	-	
READY III III III III		Find duplicates for qry_step_10 + :					
	REA	νDΥ			+ 100%	5	

Find duplicates function run to give single list and dates. Then SUMIF function used to calculate total time. Find duplicates or appropriate grouping1 markSUMIF correct formulae or grouped subtotals1 markCalculations to retain original names and dates1 mark

1	Name & Date	Name	Date	Total Time
2	Christopher Scott 19/01/2017	=LEFT(F2.(LEN(F2)-10))	=RIGHT(F2,10)	>SUMIF(C\$2:C\$40,F2,D\$2:D\$40)
3	Carlos Heredia 23/01/2017	=LEFT(F3,(LEN(F3)-10))	=RIGHT(F3,18)	=SUMIF(C\$2:C\$40,F3,D\$2:D\$40)
4	Christopher Scott 21/01/2017	=LEFT(F4,(LEN(F4)-10))	=RIGHT(F4,10)	=SUNVIF(C\$2:C\$40,F4,D\$2:D\$40)
5	Alberto Acosta 22/01/2017	=LEFT(F5,(LEN(F5)-10))	=RIGHT(F5,10)	=\$UMIF(C\$2:C\$40,F5,D\$2:D\$40)
6	Jorge 8urgos 20/01/2017	=LEFT(F6;(LEN(F6)-10))	=RIGHT(F6,10)	=SUMUF(C\$2:C\$40,F6,D\$2:D\$40)
7	Gustavo Pulido 17/01/2017	=LEFT(F7,(LEN(F7)-10))	=RiGHT(F7,10)	=5UMIF(C\$2:C\$40,F7,D\$2:D\$40)
8	Jorge Burgos 23/01/2017	=LEFT(F8,(LEN(F8)-10))	=RIGHT(F8,10)	=5UMRF(C\$2:C\$40,F8,D\$2:D\$40)
9	Juan Gutierrez 23/01/2017	=LEFT(F9,(LEN(F9)-10))	=RIGHT(F9,10)	=SUMIF(C\$2:C\$40,F9,D\$2:D\$40)
10	Jesus Euan 18/01/2017	=LEFT(F18,(LEN(F10)-10))	=RFGHT(F10,10)	=\$UMIF(C\$2:C\$40,F10,D\$2:D\$40)
11	Ismael Cardenas 21/01/2017	=LEFT(F11,(LEN(F11)-10))	=RIGHT(F11,10)	=\$U#VIIF(C\$2:C\$40,F11,D\$2:D\$40)
17	Gustavo Pulido 20/01/2017	=LEFT(F12,(LEN(F12)-10))	=RIGHT(F17,10)	=5UMIF(C\$2:C\$40,F12,D\$2:D\$40)
13	Michelle Scott 24/01/2017	=LEFT(F13,(LEN(F13)-10))	=RIGHT(F13,10)	=SUMIF(C\$2:C\$40,F13,D\$2:D\$48)
14	Jorge Burgos 17/01/2017	=LEFT(F14,(LEIN(F14)-10))	=RIGHT(F14,10)	=SURVIF(C\$2:C\$40,F14,D\$2:D\$40)
15	Christopher Scott 24/01/2017	=LEFT(F15,(LEN(F15)-10))	=RIGHT(F15,10)	=SUIVIIF(C\$2:C\$40,F15,D\$2:D\$40)
16				
17.	Find duplicates for q	ry_step_10 🛞		

Name and date removed from string for final formatting.

Correct totals shown1 markSorted into descending on total dive time1 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	Date	Total Time
Christopher Scott	19/01/2017	03:40
Carlos Heredia	23/01/2017	03:05
Christopher Scott	21/01/2017	03:00
Alberto Acosta	22/01/2017	02:55
Jorge Burgos	20/01/2017	02:15
Gustavo Pulido	17/01/2017	02:15
Jorge Burgos	23/01/2017	01:40
Juan Gutierrez	23/01/2017	01:30
Jesus Euan	18/01/2017	01:30
Ismael Cardenas	21/01/2017	01:30
Gustavo Pulido	20/01/2017	01:30
Michelle Scott	24/01/2017	01:25
Jorge Burgos	17/01/2017	01:25
Christopher Scott	24/01/2017	01:25

Name and Candidate details in the header1 markAppropriate title includes >1 dive per day1and correct 2 dates & total dive time1 markAppropriate image selection1 markAppropriate position/aspect ratio1 markTabular form with gridlines present1 mark

https://xtremepape.rs/

