

Mark Scheme (Results)

June 2014

Pearson Edexcel International GCSE in ICT (4IT0) Paper 02

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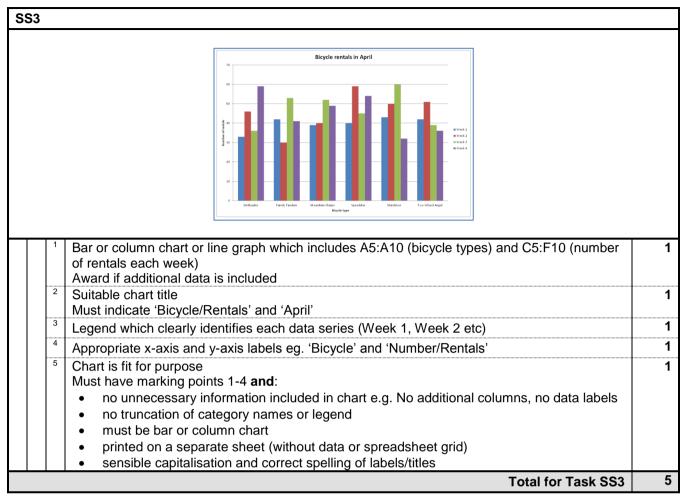
### **General Marking Guidance**

- All candidates must receive the same treatment. Examiners must mark the first candidate in exactly the same way as they mark the last.
- Mark schemes should be applied positively. Candidates must be rewarded for what they have shown they can do rather than penalised for omissions.
- Examiners should mark according to the mark scheme not according to their perception of where the grade boundaries may lie.
- There is no ceiling on achievement. All marks on the mark scheme should be used appropriately.
- All the marks on the mark scheme are designed to be awarded. Examiners should always award full marks if deserved, i.e. if the answer matches the mark scheme.
   Examiners should also be prepared to award zero marks if the candidate's response is not worthy of credit according to the mark scheme.
- Where some judgement is required, mark schemes will provide the principles by which marks will be awarded and exemplification may be limited.
- When examiners are in doubt regarding the application of the mark scheme to a candidate's response, the team leader must be consulted.
- Crossed out work should be marked UNLESS the candidate has replaced it with an alternative response.

# Activity 1: Using Spreadsheet Software (SS)

		A	В	С	D	E	F	
		1	Inco	me from b	icy cle rent	als in April	·	
		2			<u> </u>			
	-	3 Bicycle Type	Rental Charge	Week 1	Week 2	of Rentals Week 3	Week 4	
		5 Dirtbuster	£8.00	33	46	36	59 59	
		6 Family Tandem	£15.00	42	30	53	41	
		7 Mountain Chaser	£11.00	39	40	52	49	
		8 Speedster	£16.00	40	59	45	54	
	1 –	9 Stardriver	£17.00	43	50	60	32	
		10 Two Wheel Angel	£8.00	42	51	39	36	
		11   12   Total Income		ļ	ļ	ļ		
	[	12   Lotal Income		<u> </u>	<u> </u>	<u> </u>		
<sup>1</sup> A5:A10 sorted in a	Iphabetic	al order -	Dirtbust	er. Fa	amilv	Tand	dem	. Two Wheel Angel
								59 or Two Wheel Angel,

(i) 1 2	Formula using cell references entered (eg =SUM(C5:F5) or =C5+D5+E5+F5 Allow correct value in data view (174)	5)	Income =B5°C5 =B6°C6 =B6°C6 =B7°C7 =B8°C8 =B9°C9 =B10°C10 =SUM(H5:H10)	otal number of rentals	
2	Formula using cell references entered (eg =SUM(C5:F5) or =C5+D5+E5+F5	Total =SUM(C5F5) =SUM(C5F6) =SUM(C7F7) =SUM(C8F8) =SUM(C9F9) =SUM(C10F10)  d in cell G5 which 5)	Income =B5°C5 =B6°C6 =B6°C6 =B7°C7 =B8°C8 =B9°C9 =B10°C10 =SUM(H5:H10)	otal number of rentals	
2	Formula using cell references entered (eg =SUM(C5:F5) or =C5+D5+E5+F6	=SUM(C5 F5) =SUM(C6 F6) =SUM(C7 F7) =SUM(C8 F8) =SUM(C9 F9) =SUM(C10 F10)  d in cell G5 which 5)	=B5°G5 =B6°G6 =B7°G7 =B8°G8 =B9°G9 =B10°G10 =SUM(H5'H10)	otal number of rentals	
2	S Dirtbuster   6 Family Tandem   7 Mountain Chaser   8 Speedster   9 Stardriver   10 Two Wheel Angel   11	=SUM(C5 F5) =SUM(C6 F6) =SUM(C7 F7) =SUM(C8 F8) =SUM(C9 F9) =SUM(C10 F10)  d in cell G5 which 5)	=B5°G5 =B6°G6 =B7°G7 =B8°G8 =B9°G9 =B10°G10 =SUM(H5'H10)	otal number of rentals	
2	Formula using cell references entered (eg =SUM(C5:F5) or =C5+D5+E5+F5	=SUM(C6F6) =SUM(C7F7) =SUM(C8F8) =SUM(C9F9) =SUM(C10-F10)  d in cell G5 which 5)	=B6°G6 =B7°G7 =B8°G8 =B9°G9 =B10°G10 =SUM(H5.H10)	otal number of rentals	
2	Formula using cell references entered (eg =SUM(C5:F5) or =C5+D5+E5+F5	=SUM(C7F7) =SUM(C8F8) =SUM(C9F9) =SUM(C10:F10)  d in cell G5 which	=B7'G7 =B8'G8 =B9'G9 =B10'G10 =SUM(H5 H10)	otal number of rentals	_
2	Formula using cell references entered (eg =SUM(C5:F5) or =C5+D5+E5+F5	=SUM(C8F8) =SUM(C9F9) =SUM(C10-F10) d in cell G5 which	=88*G8 =99*G9 =B10*G10 =SUM(H5 H10)	otal number of rentals	
2	Formula using cell references entered (eg =SUM(C5:F5) or =C5+D5+E5+F5	=SUM(C9F9) =SUM(C10:F10) d in cell G5 which 5)	=89°G9 =B10°G10 =SUM(H5 H10)	otal number of rentals	
2	Formula using cell references entered (eg =SUM(C5:F5) or =C5+D5+E5+F5	d in cell G5 which	=B10*G10 =SUM(H5:H10)	otal number of rentals	
2	Formula using cell references entered (eg =SUM(C5:F5) or =C5+D5+E5+F5	d in cell G5 which	=SUM(H5:H10)	otal number of rentals	
2	Formula using cell references entered (eg =SUM(C5:F5) or =C5+D5+E5+F5	5)		otal number of rentals	
2	Formula using cell references entered (eg =SUM(C5:F5) or =C5+D5+E5+F5	5)		otal number of rentals	
2	(eg =SUM(C5:F5) or =C5+D5+E5+F5	5)	h calculates to	otal number of rentals	
	=SUM(C5:F5) entered in G5 (efficien	t formula)			
(ii) 1	=B5*G5 or =G5*B5 or =PRODUCT(B	35.G5) entered in	H5		
	Allow inefficient formula using cell ref	. ,		oct regult og _SLIM/RE*GE\	
/··· /	Allow interricient formula using cell fer	erences willon p	TOUUCES COITE	ct result eg =SOM(DS GS)	
(iii) 1	Formulae in G5 and H5 replicated to	cells G6:H10			
(iv) 1	Suitable column labels entered in cel	Is G4 and H4 eg	'Total' & 'Inco	ome'	
	(Can be awarded from data view)	•			
(v) 1	=H5+H6+H7+H8+H9+H10 or =SUM(	   U5:U10\  or _Q	M/U5:U11) or	stored in cell B12 or H12 or	
` /	,	113.1110) 01 =301	M(113.1111) ei	itered in cell biz or riiz or	
	A13				
	OR				
	=SUM(H5:H10) in other cell				
2	<u> </u>	r U12 or 112			
2	=SUM(H5:H10) in other cell	- 1142 142			
=SUM(H5:H10) en	itered in cell B12 o	r H12 or A13			



SS	64		Award marks in (a) only from formula view	
			14   15   16   16   16   17   17   17   18   18   18   18   18	
(a)	(i)	1	=B17*C17 or =PRODUCT(B17,C17) in cell D17 Do not award for =SUM(B17*C17) or =PRODUCT(B17*C17)	1
	(ii)	1	Formula in D17 replicated to cells D18:D22 – allow follow through	1
•	(iii)	1	=SUM(D17:D22) entered in cell D23	1
	(iv)	1 2 3	Award 1 mark for comparison of D23 with 300 in cell D24 =IF(D23>=300 or =IF(D23<300 or =IF(D23>300 or =IF(D23<=300 or =IF(D23=300  Award 1 mark for D23*F27 in appropriate location in IF function in cell D24 eg =IF(D23>=300,D23*F27 or =IF(D23<300, ,D23*F27) or =IF(D23>300,D23*F27 or =IF(D23<=300, ,D23*F27)  Award 1 mark for completely correct formula =IF(D23>=300,D23*F27,0) or =IF(D23<300, 0,D23*F27)	3
	(v)	1	=D23-D24 in cell D25. Do not award for =SUM(D23-D24)	1

1	PMMM Cycl 3 Mansion Stree Yorkshi BF5 1P	et, Crixtren re	
	INVOIC	Œ	
Group Name:	Mrs Francesca Crottren Cyclers 3 Meadow Lane Crottren Cyclers Yorkshire		
	BF5 1MM		
Bicycle Type	Rental Charge	Number Required	Cost
Bicycle Type Dirtbuster		Required	Cost £56.00
Dirtbuster	Rental Charge	Required 7	£56.00
Dirtbuster Family Tandem	Rental Charge	Required 7	£56.00
0.000	Rental Charge £8.00 £15.00	Required 7	
Dirtbuster Family Tandem Mountain Chaser	Rental Charge £8.00 £15.00 £11.00 £16.00 £17.00	Required 7 4 6 6 4 5	£56.00 £60.00
Dirtbuster Family Tandem Mountain Chaser Speedster	Rental Charge £8.00 £15.00 £11.00 £16.00	Required 7 4 6 6 4 5	£56.00 £60.00 £66.00
Dirtbuster Family Tandem Mountain Chaser Speedster Stardriver	Rental Charge £8.00 £15.00 £11.00 £16.00 £17.00	Required	£56.00 £60.00 £66.00 £64.00 £85.00 £32.00
Dirtbuster Family Tandem Mountain Chaser Speedster Stardriver	Rental Charge £8.00 £15.00 £11.00 £16.00 £17.00	Required 7 4 6 6 4 5 4 4	£56.00 £60.00 £66.00 £64.00 £85.00

1/1-	- ulca	· fo	r /b) (a)(i) and (d) can be awarded from a careen abot or from formula view	
(b)	(i)		r (b), (c)(i) and (d) can be awarded from a screen shot or from formula view  Values in cells B17:B22 and D17:D25 formatted to show currency symbol and 2 decimal places	1
	(ii)	1 2	Additional formatting feature which enhances layout.  One mark each up to a maximum of two for any of:  • cells A1:A4 formatted suitably for heading eg. Any one of enlarged font for company name, merging of cells  • highlighting of 'Invoice' and/or 'Group Details'  • consistent suitable borders/shading for cells A16:D22 and C23:D25  • sensible use of word wrap in cells A16:D16  • consistent enhanced column headings in A16:D16 and/or C23:C25  • consistent borders/shading for cells A1:A4 and/or A8:B12  • printed in portrait orientation (must be data view)	2
(c)	(i)		Accurate data entry of: Mrs Francesca Gorst, Crixtren Cyclers,3 Meadow Lane, Crixtren, Yorkshire, BF5 1MM	1
		2	Accurate data entry of number of bikes 7,4,6,4,5,4	1
-	(ii)	1	Invoice printed in data view without discount label (in column E) and value on one A4 portrait sheet  Do not accept screen shot	1
(d)		1 2	One mark each for <b>two</b> different explanations of how formatting changes made to the worksheet make it well-presented or easier to understand eg  • enhanced company name to make it stand out • borders/shading to make it easier to read across the row • enhanced column headings make it easier to identify labels • word wrapping enables narrower columns when long labels used • merging of cells for title improve the look so title is centred across sheet Allow other sensible responses of identification and reason	2
			Total for Task SS4	15

Total for Activity 1: 29 marks

## **Activity 2: Using Web Authoring Software (WA)**

#### WA1





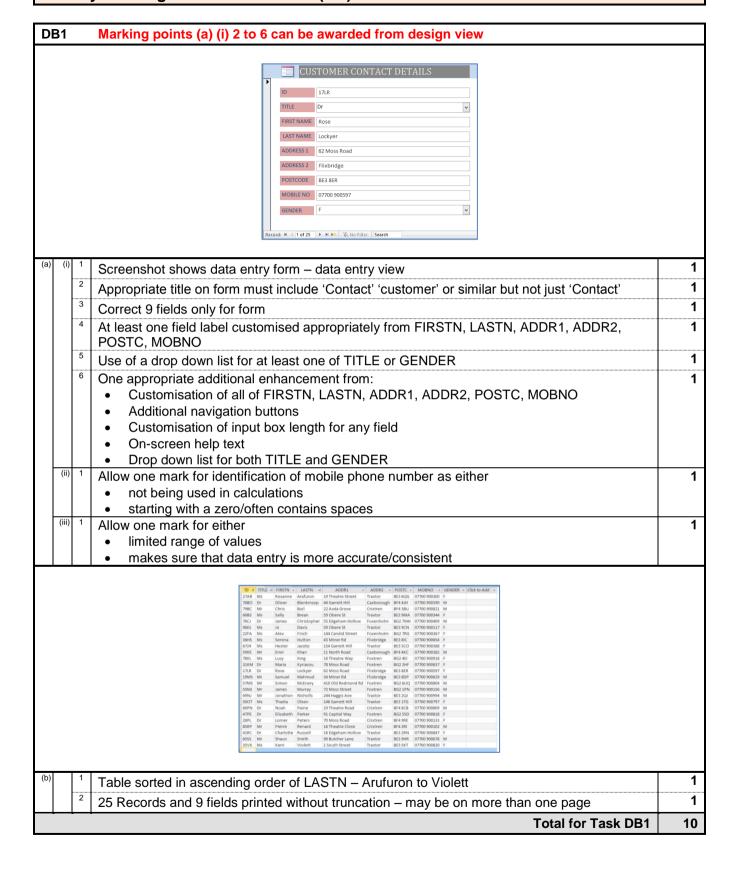
Ī	(a)	1	Some cropping attempted – image remains rectangular without distortion	1
		2	Some cropping on all sides – all of the bicycle and cyclist are visible	1
		3	Image cropped on all sides – very close to cyclist and bicycle	1

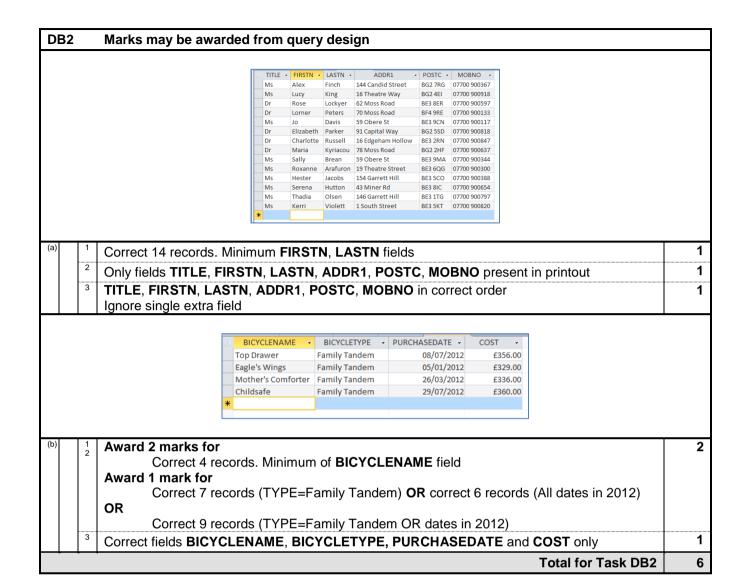


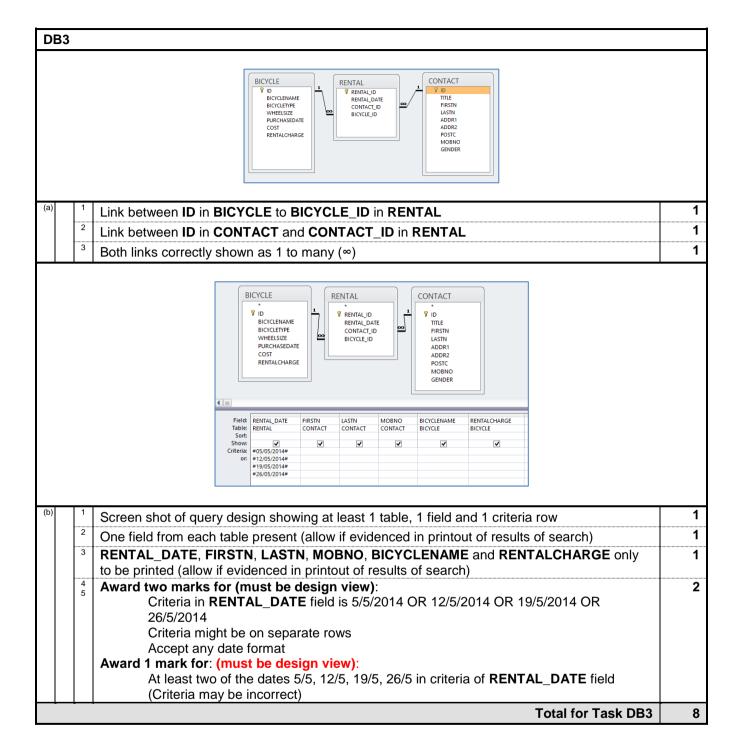
(b)	(i)	1	Correct company name and telephone number present PMMM Cycles (Ltd), 01632 960123	1
		2	Logo inserted	1
		3	Link to home page visible – award if evidence of hyperlink present (e.g. underline or icon)	1
		4	Page content selected from INFORMATION. Do not award if 'PAGE CONTENT' is present	1
		5	SILVERSPRITE or cropped image of SILVERSPRITE inserted	1
	(ii)	1	Full page visible in screenshot	1
		2	Layout is consistent with design – information and images as indicated on design	1
		3	Colour scheme applied as on design – dark (blue) text on pale (blue) background	1
		4	Suitability of fonts, sizes and styles for web page	1
		5	Text showing no unnecessary hyphenation and images suitably sized without distortion	1
(c)	(i)	1 2	One mark each for two different explanations of how formatting features have been used to make the webpage fit for purpose  Eg centre alignment of text and images in the page content to give more attractive appearance, font enhancements to make the sub-headings ("bicycle type", "description")	2
-	(ii)	1	Stand out  One suitable change identified which would enhance page for visually impaired user eg option to change colour scheme, add text labels to image for screen reader, option to increase font size	1
		2	Explanation of how the change would assist visually impaired user – eg make it easier to read, aid screen reader to describe content of images	1
			Total for Task WA1	17

# **Total for Activity 2: 17 marks**

#### **Activity 3: Using Database Software (DB)**







		Rentals of bi	cycles on	Mondays i	n May			
		RENTAL DATE	LAST NAME	MOBILE NO	BICYCLE NAME	RENTAL CHARGE		
		05/05/2014	Khan	07700 900382	Spearhead	£8.00		
		12/05/2014	Murray	07700 900156	Perfect Flight	£8.00		
		12/05/2014	Christopher	07700 900409	Top Drawer	£15.00		
		19/05/2014	Mahmud	07700 900629	Rough Rider	£8.00		
		19/05/2014	Peters	07700 900133	Angelfire	£8.00		
		19/05/2014	Jacobs	07700 900388	Top Drawer	£15.00		
		26/05/2014	Lockyer	07700 900597	Snake Charmer	£8.00		
		26/05/2014	Lockyer	07700 900597	Mudslinger	£8.00		
		20 May 2014				Page 1 of 1		
1	Suitable title mus		ental" , "	Monday" a	and "May"			
2	Suitable title mus Suitable capitalis Correct 5 fields o RENTALCHARG	ation only: <b>RENT</b>	AL_DA			ICYCLENAME a	nd	
2	Suitable capitalis Correct 5 fields o	ation only: RENTA SE in correc	AL_DAT	ΓE, LAST		<b>ICYCLENAME</b> a	nd	
	Suitable capitalis Correct 5 fields o RENTALCHARG All 5 field heading Correct 8 records Must have at least	ation only: RENTA GE in correct gs suitably of s only st one field t	AL_DATet order customis	TE, LAST	N, MOBNO, B		nd	
3	Suitable capitalis Correct 5 fields o RENTALCHARG All 5 field heading Correct 8 records Must have at leas (RENTAL_DATE	ation  only: RENT  GE in correct gs suitably of s only st one field f , LASTN/Mo	AL_DATet order customisfrom eaco	re, LAST sed ch table & BICYCL	N, MOBNO, B	ALCHARGE)		
3	Suitable capitalis Correct 5 fields o RENTALCHARG All 5 field heading Correct 8 records Must have at least	eation  only: RENT  GE in correct gs suitably of s only st one field f , LASTN/Mo ent layout of	AL_DATet order customisfrom eaco	re, LAST sed ch table & BICYCL	N, MOBNO, B	ALCHARGE)		

**Total for Activity 3: 29 marks** 

## **Activity 4: Using Presentation Software (PS)**

#### PS1 Must be master slide for all except first mark point



_					
	(a)	(i)	1	Logo added to bottom right of Master slide OR shown consistently on all slides	1
		(ii)	1	Font changed from Brushscript to Arial or similar on Master slide	1
		(iii)	1	Name and candidate number entered in the middle section of the footer on Master slide	1
			2	Date place holder deleted from footer of Master slide	1
		lv	1	Screen shot of complete Master slide pasted into word processed document	1



(b)	(i)	1	Suitable title on slides 2 to 4: eg route, requirements and contact	1
		2	Suitable image on each of slides 2 to 4. Do not accept Paris or India or animal. Accept repeated image	1
		3	Slide 2 names the 6 towns – Leeds, Harrogate, York, Malton, Scarborough and Whitby Slide 3 includes reference to age, health/fitness and clothing Slide 4 includes £300 and either phone number or email	1
		4	Suitable editing of text on slides 2-4. eg bulleted text or not all text present from data file	1
		5	Images on slides 2-4 suitable size without distortion and no overlap	1
		6	Titles, text and images located as indicated on design for slides 2 to 4 Ignore the logo	1
	(ii)	1	Slides printed two to a page – not screen shots	1
(c)	(i)	1	Award one mark for identifying a suitable feature  Eg.  Text formatted as phrases rather than paragraphs  Use of text enhancements – bold, italics  Use of bullets/numbering	1
			Colour scheme	
		2	Sensible explanation of identified feature	1
	(ii)	1	Award one mark for identifying a suitable change	1
		2	Award one mark for explanation of how change makes it more appealing to the target audience	1
			Total for Task PS1	16

## **Total for Activity 4: 16 marks**

#### **Activity 5: Using DTP/ Word Processing Software (WP)**

# WP1 PM MM Report for the June Management Board Meeting Rental Income I have analysed the number of rentals and applying the second of the sec Bicycle rentals in April Bicycle type Bicycle type (M) (M) Replacing older bicycles I have previously mentioned my concern about the age of some of our bicycles, especially in the Family Tandem range. You will see from this extract of our database a list of bicycles in this range which were bought before the beginning of 2013. I think that we need to consider BICYCLENAME BICYCLETYPE PURCHASEDATE COST Bicycle tour of Yorkshire I have started to organise a bicycle tour of Yorkshire. I have obtained favourable rates for meals and accommodation and have managed to keep the costs down so that the charge to customers will be \$300. This will still make a small profit for the company. I have been asked with them about the tour. Here is a copy of one of the sildes I will be using jin the talk. The slide gives details of the route we will take from Crixtrento Whitby. 00

(i)	1	Text from JUNE. Must have title and 4 subheadings and paragraphs with labels removed	1
	2	Logo inserted in appropriate location	1
	3	At least 3 of chart, web page, database DB2b and slide inserted in document	1
	4	All 4 items (chart, web page, database DB2b and slide) inserted in document	1
	5	At least 2 of chart, web page, database DB2b and slide inserted with appropriate paragraph	1
	6	All 4 items (chart, web page, database DB2b and slide) inserted with appropriate paragraph	1
(ii)	1	All inserts are appropriate size with no distortion, truncation or overlap of text Inserts are within single paragraphs Inserts have unnecessary window elements cropped	1
	2	Consistent font, size and style used for each of <ul> <li>sub-headings</li> <li>body text</li> </ul> Title and sub-headings stand out from body text	1
	3	All items present and fit on one side A4 with no large areas of white space Items laid out consistently and well-balanced	1
		Total for Task WP1	9

