MARK SCHEME for the October/November 2013 series

0417 INFORMATION AND COMMUNICATION TECHNOLOGY

0417/03   Paper 3 (Practical Test B), maximum raw mark 80

Header	Left	Week 13	1 mark
	Right	Last revision on & date and time	1 mark
Footer	Left	Name & numbers	1 mark

Week 13   Last revision on 05/02/2011 13:04

The Xtreme Adventure Holiday Company

Rate of pay
A   €8.00
B   €8.25
C   €9.50
D   €10.25

Job codes
S   Ski Instructor
TB   Trainee Snowboard Inst
H   Host/Hostess
TS   Trainee Ski Instructor
TA   Transport assistant
A   Administration/Office
B   Snowboard Instructor
SA   Senior Administrator
TM   Transport Manager

Top row	Merge cells A1 to J1	1 mark
	White font on red background, centre aligned	1 mark
	18 point sans-serif font	1 mark

Rate of pay	Euros 2dp	1 mark
Printout	Portrait	1 mark
	1 page wide & fully visible	1 mark
	Print area (top 2 tables)	1 mark

A Student, Centre XX999, Candidate 99999

	A	B	C	D	E	F	G
20	Employees						
21	Name	Job code	Pay code	Job description	Contract hours	Hours worked	Rate
22	Luca Gisi	B	B	=VLOOKUP(B22,code,2,FALSE)	25	25	=VLOOKUP(C22,$A$4:$B$7,2,FALSE)
23	Livio Stager	S		=VLOOKUP(B23,code,2,FALSE)	25	25	=VLOOKUP(C23,$A$4:$B$7,2,FALSE)
24				=VLOOKUP(B24,code,2,FALSE)	12	12	=VLOOKUP(C24,$A$4:$B$7,2,FALSE)
25				=VLOOKUP(B25,code,2,FALSE)	25	25	=VLOOKUP(C25,$A$4:$B$7,2,FALSE)
26				=VLOOKUP(B26,code,2,FALSE)	25	28	=VLOOKUP(C26,$A$4:$B$7,2,FALSE)
27				=VLOOKUP(B27,code,2,FALSE)	20		=VLOOKUP(C27,$A$4:$B$7,2,FALSE)
28	Laura Hacher	S	B	=VLOOKUP(B28,code,2,FALSE)	25		=VLOOKUP(C28,$A$4:$B$7,2,FALSE)
29	Alessandro Messerli	S	B	=VLOOKUP(B29,code,2,FALSE)	25	2	=VLOOKUP(C29,$A$4:$B$7,2,FALSE)
30	Lara Forrer	B	B	=VLOOKUP(B30,code,2,FALSE)	2	25	=VLOOKUP(C30,$A$4:$B$7,2,FALSE)
31	Arda Hegler	S	B				=VLOOKUP(C31,$A$4:$B$7,2,FALSE)
32	Simone Aebi	B	B				=VLOOKUP(C32,$A$4:$B$7,2,FALSE)
33	Matteo Isch	A	B				=VLOOKUP(C33,$A$4:$B$7,2,FALSE)
34	Arenwald Wurgler	A	A	=VLOOKUP(B34,code,2,FALSE)	38	38	=VLOOKUP(C34,$A$4:$B$7,2,FALSE)
35	Julian Bruster	B	C	=VLOOKUP(B35,code,2,FALSE)	30	22	=VLOOKUP(C35,$A$4:$B$7,2,FALSE)
36	Tim Frueh	B	B	=VLOOKUP(B36,code,2,FALSE)	25	0	=VLOOKUP(C36,$A$4:$B$7,2,FALSE)
37	Luca Rim	A	B	=VLOOKUP(B37,code,2,FALSE)	12	25	=VLOOKUP(C37,$A$4:$B$7,2,FALSE)
38	Giulia Ramseyer	S	C	=VLOOKUP(B38,code,2,FALSE)	30	30	=VLOOKUP(C38,$A$4:$B$7,2,FALSE)
39	Leon Joost	S	B	=VLOOKUP(B39,code,2,FALSE)	25	25	=VLOOKUP(C39,$A$4:$B$7,2,FALSE)
40	Romina Von Gunten	SA	D	=VLOOKUP(B40,code,2,FALSE)	40	40	=VLOOKUP(C40,$A$4:$B$7,2,FALSE)
41	Leandro Laqua	S	B	=VLOOKUP(B41,code,2,FALSE)	25	25	=VLOOKUP(C41,$A$4:$B$7,2,FALSE)
42	Andri Jud	TB	A	=VLOOKUP(B42,code,2,FALSE)	25	28	=VLOOKUP(C42,$A$4:$B$7,2,FALSE)

Job description

Lookup used	1 mark
Correct lookup reference	1 mark
Lookup as relative reference	1 mark
Correct named range	1 mark
Correct return column	1 mark

Rate

Lookup used	1 mark
Correct relative lookup reference	1 mark
Correct absolute range	1 mark
Correct return column	1 mark

	A	B	C	D	E	F	G
43	Matteo Nufer	S	B	=VLOOKUP(B43,code,2,FALSE)	25	25	=VLOOKUP(C43,$A$4:$B$7,2,FALSE)
44	Mia Leupp	B	B	=VLOOKUP(B44,code,2,FALSE)	25	25	=VLOOKUP(C44,$A$4:$B$7,2,FALSE)
45	Nathan Ganz	S	B	=VLOOKUP(B45,code,2,FALSE)	25	25	=VLOOKUP(C45,$A$4:$B$7,2,FALSE)
46	Jon Haby	TS	A	=VLOOKUP(B46,code,2,FALSE)	25	25	=VLOOKUP(C46,$A$4:$B$7,2,FALSE)
47	Matteo Hilty	A	B	=VLOOKUP(B47,code,2,FALSE)	20	20	=VLOOKUP(C47,$A$4:$B$7,2,FALSE)
48	Noah Truby	TB	A	=VLOOKUP(B48,code,2,FALSE)	25	25	=VLOOKUP(C48,$A$4:$B$7,2,FALSE)
49	Leonardo Jud	B	B	=VLOOKUP(B49,code,2,FALSE)	12	17	=VLOOKUP(C49,$A$4:$B$7,2,FALSE)
50	Dekke Gisi	A	B	=VLOOKUP(B50,code,2,FALSE)	25	27	=VLOOKUP(C50,$A$4:$B$7,2,FALSE)
51	Noah Wurgler	B	B	=VLOOKUP(B51,code,2,FALSE)	20	25	=VLOOKUP(C51,$A$4:$B$7,2,FALSE)
52	Alice Thoeny	B	B	=VLOOKUP(B52,code,2,FALSE)	25	26	=VLOOKUP(C52,$A$4:$B$7,2,FALSE)
53	Arne Bircher	TA	A	=VLOOKUP(B53,code,2,FALSE)	10	12	=VLOOKUP(C53,$A$4:$B$7,2,FALSE)
54	Luca Roser	S	C	=VLOOKUP(B54,code,2,FALSE)	30	30	=VLOOKUP(C54,$A$4:$B$7,2,FALSE)
55	Raphael Michlig	TA	A				=VLOOKUP(C55,$A$4:$B$7,2,FALSE)
56	Nicole Giovanni	B	B				=VLOOKUP(C56,$A$4:$B$7,2,FALSE)
57	Thomas Tobler	TM	C	=VLOOKUP(B57,code,2,FALSE)		25	=VLOOKUP(C57,$A$4:$B$7,2,FALSE)
58	Nico Lichty	S	B	=VLOOKUP(B58,code,2,FALSE)	2	25	=VLOOKUP(C58,$A$4:$B$7,2,FALSE)
59	Dekke Heitz	TA	A	=VLOOKUP(B59,code,2,FALSE)	12	20	=VLOOKUP(C59,$A$4:$B$7,2,FALSE)
60	John Zwinky	B	B	=VLOOKUP(B60,code,2,FALSE)	12	12	=VLOOKUP(C60,$A$4:$B$7,2,FALSE)
61	Camille Oberlin	S	B	=VLOOKUP(B61,code,2,FALSE)	25	25	=VLOOKUP(C61,$A$4:$B$7,2,FALSE)
62							
63						=SUM(F22:F61)	

Cell F63   SUM function in correct cell   1 mark
            Correct range (F22:F61)   1 mark

	H	I	J
20			
21	Basic pay	Overtime pay	Total pay
22	=G22*F22	=IF(F22>E22,(F22-E22)*G22*0.5,0)	=H22+I22
23	=G23*F23	=IF(F23>E23,(F23-E23)*G23*0.5,0)	=H23+I23
24	=G24*F24	=IF(F24>E24,(F24-E24)*G24*0.5,0)	=H24+I24
25	=G25*F25	=IF(F25>E25,(F25-E25)*G25*0.5,0)	=H25+I25
26	=G26*F26	=IF(F26>E26,(F26-E26)*G26*0.5,0)	=H26+I26
27	=G27*F27	=IF(F27>E27,(F27-E27)*G27*0.5,0)	=H27+I27
28	=G28*F28	=IF(F28>E28,(F28-E28)*G28*0.5,0)	=H28+I28
29	=G29*F29	=IF(F29>E29,(F29-E29)*G29*0.5,0)	=H29+I29
30	=G30*F30	=IF(F30>E30,(F30-E30)*G30*0.5,0)	=H30+I30
31	=G31*F31	=IF(F31>E31,(F31-E31)*G31*0.5,0)	=H31+I31
32	=G32*F32	=IF(F32>E32,(F32-E32)*G32*0.5,0)	=H32+I32
33	=G33*F33	=IF(F33>E33,(F33-E33)*G33*0.5,0)	=H33+I33
34	=G34*F34	=IF(F34>E34,(F34-E34)*G34*0.5,0)	=H34+I34
35	=G35*F35	=IF(F35>E35,(F35-E35)*G35*0.5,0)	=H35+I35
36	=G36*F36	=IF(F36>E36,(F36-E36)*G36*0.5,0)	=H36+I36
37	=G37*F37	=IF(F37>E37,(F37-E37)*G37*0.5,0)	=H37+I37
38	=G38*F38	=IF(F38>E38,(F38-E38)*G38*0.5,0)	=H38+I38
39	=G39*F39	=IF(F39>E39,(F39-E39)*G39*0.5,0)	=H39+I39
40	=G40*F40	=IF(F40>E40,(F40-E40)*G40*0.5,0)	=H40+I40
41	=G41*F41	=IF(F41>E41,(F41-E41)*G41*0.5,0)	=H41+I41
42	=G42*F42	=IF(F42>E42,(F42-E42)*G42*0.5,0)	=H42+I42
43	=G43*F43	=IF(F43>E43,(F43-E43)*G43*0.5,0)	=H43+I43
44	=G44*F44	=IF(F44>E44,(F44-E44)*G44*0.5,0)	=H44+I44
45	=G45*F45	=IF(F45>E45,(F45-E45)*G45*0.5,0)	=H45+I45

Basic Pay	G22*F22 & relative refs	1 mark
Overtime Pay	IF function with brackets	1 mark
	Correct condition	1 mark
	F22-E22 & brackets	1 mark
	*G22*0.5	1 mark
	Returns zero if false	1 mark
Total Pay	Correct calculation	1 mark

	H	I	J
46	=G46*F46	=IF(F46>E46,(F46-E46)*G46*0.5,0)	=H46+I46
47	=G47*F47	=IF(F47>E47,(F47-E47)*G47*0.5,0)	=H47+I47
48	=G48*F48	=IF(F48>E48,(F48-E48)*G48*0.5,0)	=H48+I48
49	=G49*F49	=IF(F49>E49,(F49-E49)*G49*0.5,0)	=H49+I49
50	=G50*F50	=IF(F50>E50,(F50-E50)*G50*0.5,0)	=H50+I50
51	=G51*F51	=IF(F51>E51,(F51-E51)*G51*0.5,0)	=H51+I51
52	=G52*F52	=IF(F52>E52,(F52-E52)*G52*0.5,0)	=H52+I52
53	=G53*F53	=IF(F53>E53,(F53-E53)*G53*0.5,0)	=H53+I53
54	=G54*F54	=IF(F54>E54,(F54-E54)*G54...	
55	=G55*F55	=IF(F55>E55,(F55-E55)*G55...0.5,0)	=H55+I55
56	=G56*F56	=IF(F56>E56,(F56-E56)*G56*0.5,0)	=H56+I56
57	=G57*F57	=IF(F57>E57,(F57-E57)*G57*0.5,0)	=H57+I57
58	=G58*F58	=IF(F58>E58,(F58-E58)*G58*0.5,0)	=H58+I58
59	=G59*F59	=IF(F59>E59,(F59-E59)*G59*0.5,0)	=H59+I59
60	=G60*F60	=IF(F60>E60,(F60-E60)*G60*0.5,0)	=H60+I60
61	=G61*F61	=IF(F61>E61,(F61-E61)*G61*0.5,0)	=H61+I61
62			
63			=SUM(J22:J61)

Cell J63   SUM(J22:J61)   1 mark

Deleted	Column with Payroll No & rows 3&4	
		1 mark

Print area	A20 to J63	1 mark
Orientation	Landscape & fully visible	1 mark
Row headings	Visible	1 mark
Column headings	Visible	1 mark
Replication	All formulae	1 mark

The Xtreme Adventure Holiday Company

Rate of pay

A	€8.00
B	€8.25
C	€9.50
D	€10.25

Job codes

A	Administration /Office
B	Snowboard Instructor
H	Host /Hostess
S	Ski Instructor
SA	Senior Administrator
TA	Transport Assistant
TB	Trainee Snowboard Instructor
TM	Transport Manager
TS	Trainee Ski Instructor

Employees

Name	Job code	Pay code	Job description	Contract hours	Hours worked	Rate	Basic pay	Overtime pay	Total pay
Luca Gisi	B	B	Snowboard Instructor	25	25	€8.25	€206.25	€0.00	€206.25
Livio Stager	S	B	Ski Instructor	25	25	€8.25	€206.25	€0.00	€206.25
Nico Gantert	B	B	Snowboard Instructor	12	12	€8.25	€99.00	€0.00	€99.00
Fabian Ging	S	B	Ski Instructor	25	25	€8.25	€206.25	€0.00	€206.25
Mattia Polt	S	B	Ski Instructor	25	28	€8.25	€231.00	€12.38	€243.38
Sofia Walp	H	A	Host/Hostess	20	20	€8.00	€160.00	€0.00	€160.00
Laura Haener	S	B	Ski Instructor	25	25	€8.25	€206.25	€0.00	€206.25
Alessandro Messerli	S	B	Ski Instructor	25	32	€8.25	€264.00	€28.88	€292.88
Lara Forrer	B	B	Snowboard Instructor	25	25	€8.25	€206.25	€0.00	€206.25
Arda Hegler	S	B	Ski Instructor	25	25	€8.25	€206.25	€0.00	€206.25
Simone Aebi	B	B	Snowboard Instructor	25	25	€8.25	€206.25	€0.00	€206.25
Matteo Isch	A	B	Administration /Office	12	12	€8.25	€99.00	€0.00	€99.00
Arenwald Wurgler	A	A	Administration /Office	38	38	€8.00	€304.00	€0.00	€304.00
Julian Bruster	B	C	Snowboard Instructor	30	22	€9.50	€209.00	€0.00	€209.00
Tim Frueh	B	B	Snowboard Instructor	25	0	€8.25	€0.00	€0.00	€0.00
Luca Rim	A	B	Administration /Office	12	25	€8.25	€206.25	€53.63	€259.88

Candidate Name   Centre Number   Candidate Number

Giulia Ramseyer	S	C	Ski Instructor	30	30	€9.50	€285.00	€0.00	€285.00
Leon Joost	S	B	Ski Instructor	25	25	€8.25	€206.25	€0.00	€206.25
Romina Von Gunten	SA	D	Senior Administrator	40	40	€10.25	€410.00	€0.00	€410.00
Leandro Laqua	S	B	Ski Instructor	25	25	€8.25	€206.25	€0.00	€206.25
Andri Jud	TB	A	Trainee Snowboard Instructor	25	28	€8.00	€224.00	€12.00	€236.00
Matteo Nufer	S	B	Ski Instructor	25	25	€8.25	€206.25	€0.00	€206.25
Mia Leupp	B	B	Snowboard Instructor	25	25	€8.25	€206.25	€0.00	€206.25
Nathan Ganz	S	B	Ski Instructor	25	25	€8.25	€206.25	€0.00	€206.25
Jon Haby	TS	A	Trainee Ski Instructor	25	25	€8.00	€200.00	€0.00	€200.00
Matteo Hilty	A	B	Administration /Office	20	20	€8.25	€165.00	€0.00	€165.00
Noah Truby	TB	A	Trainee Snowboard Instructor	25	25	€8.00	€200.00	€0.00	€200.00
Leonardo Jud	B	B	Snowboard Instructor	12	17	€8.25	€140.25	€20.63	€160.88
Dekke Gisi	A	B	Administration /Office	25	27	€8.25	€222.75	€8.25	€231.00
Noah Wurgler	B	B	Snowboard Instructor	20	25	€8.25	€206.25	€20.63	€226.88
Alice Thoeny	B	B	Snowboard Instructor	25	26	€8.25	€214.50	€4.13	€218.63
Arne Bircher	TA	A	Transport Assistant	10	12	€8.00	€96.00	€8.00	€104.00
Luca Roser	S	C	Ski Instructor	30	30	€9.50	€285.00	€0.00	€285.00
Raphael Michlig	TA	A	Transport Assistant	12	12	€8.00	€96.00	€0.00	€96.00
Nicole Giovanni	B	B	Snowboard Instructor	20	20	€8.25	€165.00	€0.00	€165.00
Thomas Tobler	TM	C	Transport Manager	25	25	€9.50	€237.50	€0.00	€237.50
Nico Lichty	S	B	Ski Instructor	25	25	€8.25	€206.25	€0.00	€206.25
Dekke Heitz	TA	A	Transport Assistant	12	20	€8.00	€160.00	€32.00	€192.00
John Zwinky	B	B	Snowboard Instructor	12	12	€8.25	€99.00	€0.00	€99.00
Camille Oberlin	S	B	Ski Instructor	25	25	€8.25	€206.25	€0.00	€206.25
					933				€8066.50

Job desc	Correct values	1 mark
Format	Euros with 2dp	1 mark
	Hours columns - numeric integer	1 mark
Data entry	All inserted	2 marks
	One page wide, portrait, all visible	1 mark

Candidate Name   Centre Number   Candidate Number

Week 13

Last revision on 03/05/2013 22:13

The Xtreme Adventure Holiday Company

Employees

Name	Job description	Hours worked	Rate	Basic Pay	Overtime Pay	Total Pay
Mattia Polt	Ski Instructor	28	€8.25	€231.00	€12.38	€243.38
Alessandro Messerli	Ski Instructor	32	€8.25	€264.00	€28.88	€292.88
Andri Jud	Trainee Snowboard Instructor	28	€8.00	€224.00	€12.00	€236.00
Leonardo Jud	Snowboard Instructor	17	€8.25	€140.25	€20.63	€160.88
Noah Wurgler	Snowboard Instructor	25	€8.25	€206.25	€20.63	€226.88
Alice Thoeny	Snowboard Instructor	26	€8.25	€214.50	€4.13	€218.63

Extract	Rows 3-19 hidden	1 mark
	Columns B C and E hidden	1 mark
Search	Contains Instructor	1 mark
	Overtime >0	1 mark
	Single page wide, portrait, all visible	1 mark

Candidate Name   Centre Number   Candidate Number

Table	7 rows and 4 columns	1 mark
Row 1	Top row left 3 cells merged	1 mark
	N13Banner.JPG in left cell	1 mark
	Logo in right cell	1 mark

Row 2	Home button & image	1 mark
Row 3	Ski button & image	1 mark
Row 4	Scuba button & image	1 mark
Row 5	Safari button & image	1 mark
Row 6	Contact us button & image	1 mark
Row 7	Left 2 cells merged	1 mark
	Webpage last edited by & details	1 mark
	In style h1	1 mark
Rows 2-7	Right merged to single cell	1 mark
	DUNE2?????.JPG into right cell	1 mark

Correct stylesheet attached 1 mark

```
<html>
<head>
  <title="The Xtreme Holiday Company Homepage">
  <link rel="stylesheet" type="text/css" href="style9999.css">
</head>
<body>
  <table border="1" style="width:800px height:600px">
    <tr>
```

Table	Width 800	1 mark
	Height 600	1 mark

```
      <td colspan="3"><img src="N13banner.png"></td>
      <td><img src="N13logo.png"></td>
    </tr>
    <tr>
```

Row width	Both 176	1 mark
	Accept 22%	

```
      <td style="width:176px"><img src="N13button1.png"></td>
      <td style="width:176px"><img src="N13img5.jpg"></td>
      <td colspan="2" rowspan="6"><img src="DUNE29999.jpg"></td>
    </tr>
    <tr>
      <td><img src="N13button2.png"></td>
      <td><img src="N13img1.jpg"></td>
    </tr>
    <tr>
      <td><img src="N13button3.png"></td>
      <td><img src="N13img4.jpg"></td>
    </tr>
    <tr>
      <td><img src="N13button4.png"></td>
      <td><img src="N13img9.jpg"></td>
    </tr>
    <tr>
```

Hyperlink	Both button & image	1 mark
	Correct address	1 mark
	Correct ?subject	1 mark

```
      <td><a href="mailto:xahc@cie.org.uk?subject=Adventure%20Me%20Up..."><img
src="N13button5.png"></a></td>
      <td><a href="mailto:xahc@cie.org.uk?subject=Adventure%20Me%20Up..."><img
src="N13img6.jpg"></a></td>
    </tr>
    <tr>
      <td colspan="2"><h1>Webpage last edited by A.Candidate, XX999,
9999</h1></td>
    </tr>
  </table>
</body>
</html>
```
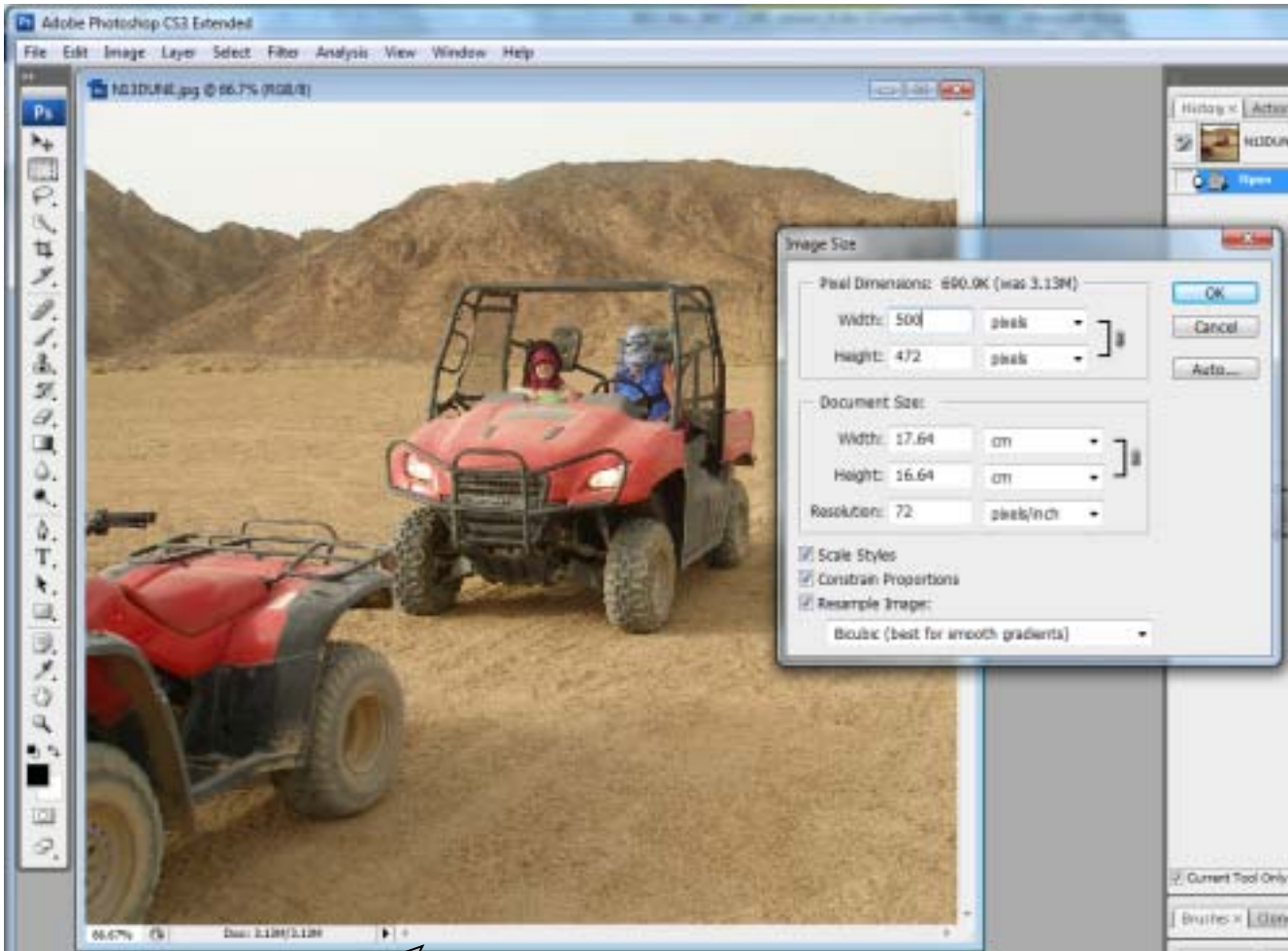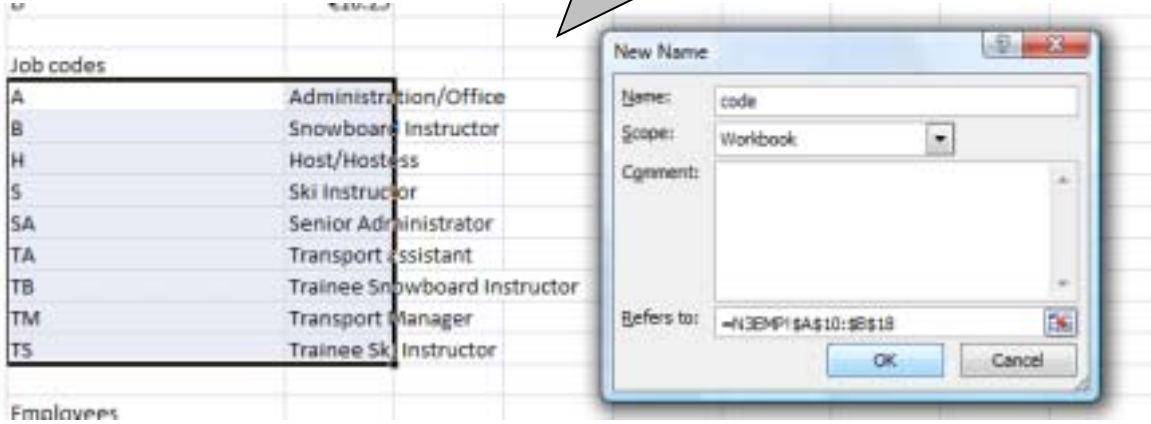
> Named range
> Called **code**   1 mark
> Cells A10 to B18   1 mark

<u>Evidence document</u>

Job codes

A	Administration/Office
B	Snowboard Instructor
H	Host/Hostess
S	Ski Instructor
SA	Senior Administrator
TA	Transport Assistant
TB	Trainee Snowboard Instructor
TM	Transport Manager
TS	Trainee Ski Instructor

Employees

New Name

Name: code

Scope: Workbook

Comment:

Refers to: =N3EMP!$A$10:$B$18

OK   Cancel

> N13DUNE.jpg
> Resized to 500 pixels wide   1 mark
> Aspect ratio maintained   1 mark

Saved as DUNE1 (plus cand no)   1 mark
DUNE2   Reduced Image resolution so that file size
                    <100K   1 mark

N13DUNE.jpg   19/02/2012 20:38   JPEG image   985 KB
DUNE19999.jpg   19/02/2012 20:43   JPEG image   212 KB
DUNE29999.jpg   19/02/2012 20:44   JPEG image   68 KB

Stylesheet
          Correct filename   1 mark
h1   colour red   1 mark
          "Times New Roman"   1 mark
          , Times   1 mark
          , serif   1 mark
          18 pixels high   1 mark
          Alignment – center   1 mark

Style9999.css - Notepad

File   Edit   Format   View   Help

```
h1            { color: #FF0000; font-family:"Times New Roman",Times,serif; font-size:18px;
              text-align:center }

body          { background-color:#CC9966; }
table         { border-collapse: collapse; border:4px solid #000080; margin-bottom:1em}
td            { border:4px solid #000080; padding:0.33em; spacing:0.33em}
```