

MARK SCHEME for the May/June 2013 series

**0417 INFORMATION AND COMMUNICATION
TECHNOLOGY**

0417/31

Paper 3 (Practical Test B), maximum raw 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 will not enter into discussions about these mark schemes.

Cambridge is publishing the mark schemes for the May/June 2013 series for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level components and some Ordinary Level components.

Page 2	Mark Scheme	Syllabus	Paper
	IGCSE – May/June 2013	0417	31

A Candidate, XX999, 9999

Last revision on &[Date] &[Time]

```

<html>
  <head>
    <title>Hot Properties - Dominican Republic</title>
    <link rel="stylesheet" type="text/css" href="mystl9999.css">
  </head>

  <body>
    <p>Last edited by A. Candidate, XX999, 9999</p>
    <table border="2" cellpadding="10">

      <tr>
        <td colspan = "4"> <h1>Hot Properties</h1><h1>Dominican Republic special
          offers</h1></td>
      </tr>
      <tr>
        <td colspan="4"><h2>This week only! We have special offers on the
          following small properties in and around Bavaro, Punta Cana. These
          include small family homes as well as a number of small business
          opportunities. How about these special offers? All prices are in US
          dollars.</h2></td>
      </tr>
      <tr>
        <td><h3>Small house</h3>
          <h3>Bavaro centre</h3>
          <h3>Offer price $20.000</h3></td>
        <td><h3>Garage business</h3>
          <h3>16km from Bavaro</h3>
          <h3>Offer price $16.000</h3></td>
        <td><h3>Small farm - needs some work</h3>
          <h3>20km from Bavaro</h3>
          <h3>Offer price $22.000</h3></td>
        <td><h3>Butchers business</h3>
          <h3>4km from Bavaro</h3>
          <h3>Offer price $14.000</h3></td>
      </tr>
      <tr>
        <td><h3></h3></td>
        <td><h3></h3></td>
        <td><h3><a href="farm.htm" target="_farm"></a></h3></td>
        <td><h3></h3></td>
      </tr>
      <tr>
        <td colspan="4"><p>If these offers do not meet your needs contact us with
          your specific requirements. We believe we can find the property to meet
          your needs in this area.</p></td>
      </tr>
      <tr>
        <td colspan="4"><br><p>To contact us use the links from the homepage, ring
          us on 09780 0001001 or e-mail our <a href=
            "mailto:HotPropSales@cie.org.uk?subject=Property%20enquiry">
            Sales Team</a></p>
      </tr>
    </table>
  </body>
</html>

```

Stylesheet attached 1 mark
 Not absolute file path 1 mark

Table border = "2" 1 mark
 cell padding = "10" 1 mark

Hyperlink Image J1331-8 set as link 1 mark
 To open farm.htm 1 mark
 In target window _farm 1 mark

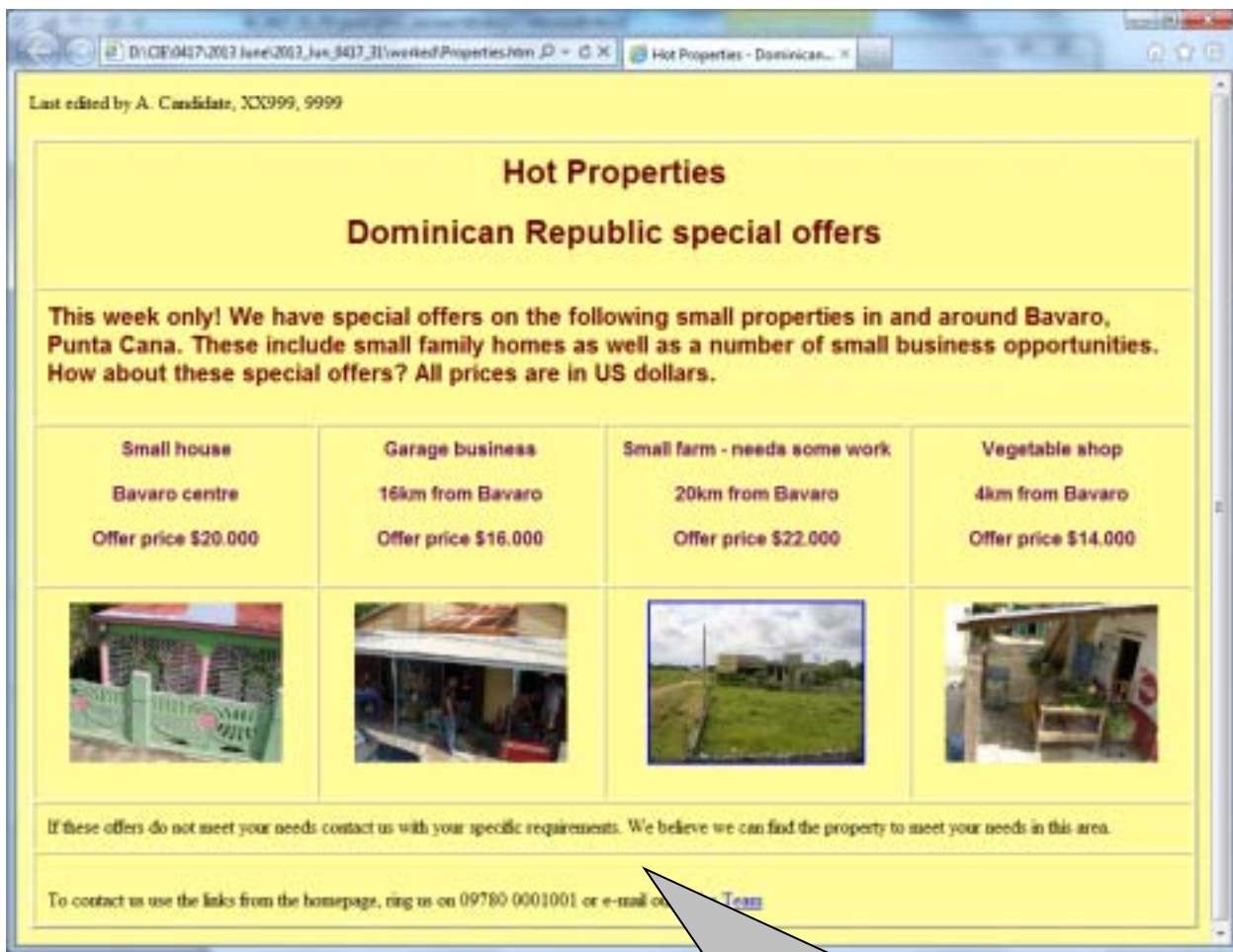
Images Width = "180" 1 mark
 Aspect ratio & all 4 images 1 mark

Mailto "Mailto: 1 mark
 Anchor Sales Team 1 mark
 HotPropSales@cie.org.uk 1 mark
 ?subject= 1 mark
 Property%20enquiry" 1 mark

Page 3	Mark Scheme	Syllabus	Paper
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Last revision on &[Date] &[Time]



Images	Left - house	1 mark
	2nd - garage	1 mark
	3rd - farm	1 mark
	Right - vegetable shop	1 mark

Page 4	Mark Scheme	Syllabus	Paper
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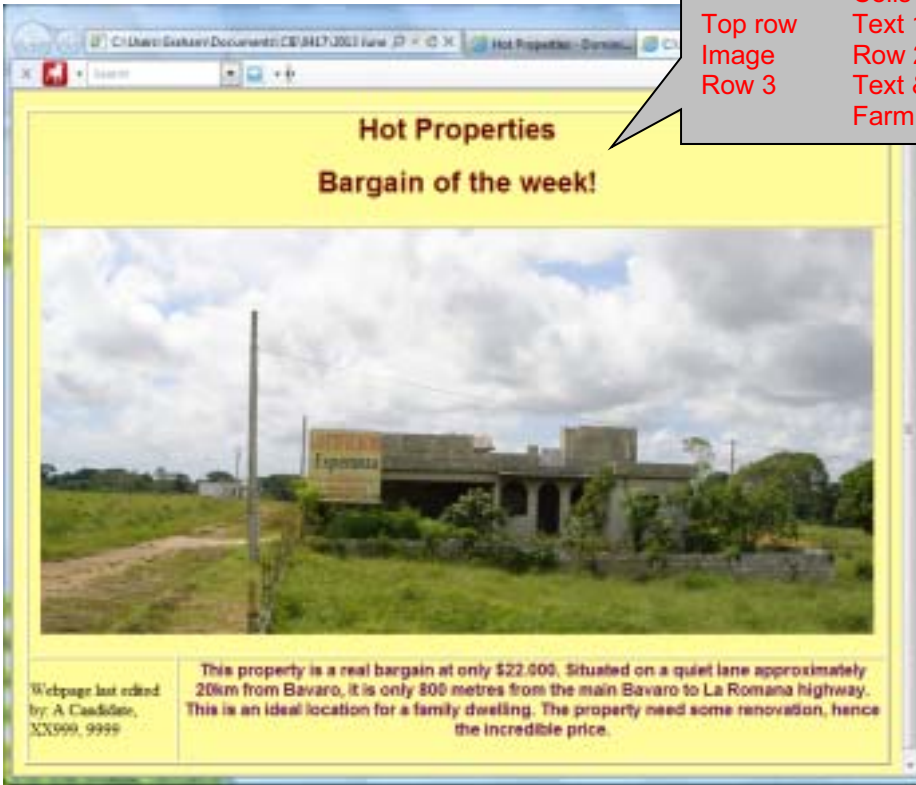


Table	3 rows 2 columns	1 mark
	Cells merged as shown	1 mark
Top row	Text 100% accurate & h1	1 mark
Image	Row 2 cropped 2/3 height	1 mark
Row 3	Text & cand details in p	1 mark
	Farm.txt in h3	1 mark

```
<html>
<head>
  <link rel="stylesheet" type="text/css" href="myst19999.css">
</head>
<body>
  <table border="2">
    <tr>
      <td colspan = "2"> <h1>Hot Properties</h1><h1>Bargain of the
week!</h1></td>
    </tr>
    <tr>
      <td colspan = "2"><h3></h3></td>
    </tr>
    <tr>
      <td><p>Webpage last edited by: A Candidate, XX999, 9999</p></td>
      <td><h3>This property is a real bargain at only $22.000. Situated on a
quiet lane approximately 20km from Bavaro, it is only 800 metres from the main
Bavaro to La Romana highway. This is an ideal location for a family dwelling. The
property need some renovation, hence the incredible price.</h3></td>
    </tr>
  </table>
</body>
</html>
```

Stylesheet attached & not absolute file path	1 mark
Table border="2"	1 mark

Page 5	Mark Scheme	Syllabus	Paper
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A Candidate, XX999, 9999

Last revision on &[Date] &[Time]

Evidence document – Changed from:

```
h1 { color: reddish; font-family:
Arial; font-size: massive; text-align:
centre }
h2 { color: reddish; font-family:
Arial; font-size: biggish; text-align:
left }
h3 { color: purple; font-family:
Arial; font-size: normal; text-align:
centre }
li { color: dark; font-family:
serif; font-size: normal; text-align:
left; font-style: italicised; list-
style-type: disc }
p { color: pinky; font-family:
serif; font-size: normal; text-align:
left }
body { background-colour: pale beige
}
```

Stylesheet printed as screenshot		
Filename	'mystl' & cand number	1 mark
h1 & h2		
color	#660000	1 mark
font-family	, sans-serif	1 mark
h1		
font-size	20pt	1 mark
text-align	center (US spelling)	1 mark
h2		
font-size	15pt	1 mark
text-align	left	1 mark
h3		
color	#6600CC	1 mark
font-family	, sans-serif	1 mark
text-align	center (US spelling)	1 mark
h3 & li & p		
font-size	12pt	1 mark

**Screenshot showing
Filename**

```
h1 { color: #660000; font-family: Arial, sans-serif; font-size: 20pt; text-
align: center }
h2 { color: #660000; font-family: Arial, sans-serif; font-size: 15pt; text-
align: left }
h3 { color: #6600CC; font-family: Arial, sans-serif; font-size: 12pt; text-
align: center }
li { color: #000000; font-family: "Times New Roman", serif; font-size: 12pt;
text-align: left; font-style: italic; list-style-type: disc }
p { color: #000000; font-family: "Times New Roman", serif; font-size: 12pt;
text-align: left }
body { background-color: #FFFC99 }
```

li & p		
color	#000000	1 mark
font-family	"Times New Roman" speech marks	1 mark 1 mark
li		
font-style	italic	1 mark
body		
background-color	Changed from colour #FFFC99	1 mark 1 mark

A Candidate, XX999, 9999

Last revision on &[Date] &[Time]

	A	B	C	D	E	F	G	H
1	Bavaro Office							
2	Property number	Price	Income	Distance	Viewing cost	Times viewed	Advertising cost	Profit
3	1013	26300	=100+(2.5%*B3)	0	=IF(D3<5,2,IF(D3>=15,10,5))	1	35	=C3-(E3*F3)-G3
4	1014	28900	=100+(2.5%*B4)	27	=IF(D4<5,2,IF(D4>=15,10,5))	1	35	=C4-(E4*F4)-G4
5	1015	13600	=100+(2.5%*B5)	2	=IF(D5<5,2,IF(D5>=15,10,5))	1	20	=C5-(E5*F5)-G5
6	1016	16400	=100+(2.5%*B6)	8	=IF(D6<5,2,IF(D6>=15,10,5))	4	20	=C6-(E6*F6)-G6
7	1017	17000	=100+(2.5%*B7)	11	=IF(D7<5,2,IF(D7>=15,10,5))	1	20	=C7-(E7*F7)-G7
8	1019	17000	=100+(2.5%*B8)	8	=IF(D8<5,2,IF(D8>=15,10,5))	1	20	=C8-(E8*F8)-G8
9	1020	17000	=100+(2.5%*B9)	14	=IF(D9<5,2,IF(D9>=15,10,5))	3	20	=C9-(E9*F9)-G9
10	1021	14000	=100+(2.5%*B10)	20	=IF(D10<5,2,IF(D10>=15,10,5))	5	25	=C10-(E10*F10)-G10
11	1022	17000	=100+(2.5%*B11)	14	=IF(D11<5,2,IF(D11>=15,10,5))	3	20	=C11-(E11*F11)-G11
12	1023	17000	=100+(2.5%*B12)	14	=IF(D12<5,2,IF(D12>=15,10,5))	3	20	=C12-(E12*F12)-G12
13	1025	17600	=100+(2.5%*B13)	17	=IF(D13<5,2,IF(D13>=15,10,5))	5	25	=C13-(E13*F13)-G13
14	1027	24900	=100+(2.5%*B14)	0	=IF(D14<5,2,IF(D14>=15,10,5))	0	35	=C14-(E14*F14)-G14
15	1028	22000	=100+(2.5%*B15)	4	=IF(D15<5,2,IF(D15>=15,10,5))	4	35	=C15-(E15*F15)-G15
16	1029	20100	=100+(2.5%*B16)	3	=IF(D16<5,2,IF(D16>=15,10,5))	3	35	=C16-(E16*F16)-G16
17	1030	14400	=100+(2.5%*B17)	17	=IF(D17<5,2,IF(D17>=15,10,5))	0	20	=C17-(E17*F17)-G17
18	1031	19800	=100+(2.5%*B18)	0	=IF(D18<5,2,IF(D18>=15,10,5))	0	20	=C18-(E18*F18)-G18
19	1032	22500	=100+(2.5%*B19)	6	=IF(D19<5,2,IF(D19>=15,10,5))	1	35	=C19-(E19*F19)-G19
20	1033	27000	=100+(2.5%*B20)	2	=IF(D20<5,2,IF(D20>=15,10,5))	0	35	=C20-(E20*F20)-G20
21	1034	26700	=100+(2.5%*B21)	6	=IF(D21<5,2,IF(D21>=15,10,5))	0	35	=C21-(E21*F21)-G21
22	1037	13900	=100+(2.5%*B22)	17	=IF(D22<5,2,IF(D22>=15,10,5))	4	20	=C22-(E22*F22)-G22
23	1038	12000	=100+(2.5%*B23)	24	=IF(D23<5,2,IF(D23>=15,10,5))	2	20	=C23-(E23*F23)-G23
24	1039	13800	=100+(2.5%*B24)	4	=IF(D24<5,2,IF(D24>=15,10,5))	4	20	=C24-(E24*F24)-G24
25	1040	17500	=100+(2.5%*B25)	5	=IF(D25<5,2,IF(D25>=15,10,5))	0	20	=C25-(E25*F25)-G25
26	1041	14300	=100+(2.5%*B26)	14	=IF(D26<5,2,IF(D26>=15,10,5))	0	20	=C26-(E26*F26)-G26
27	1042	17000	=100+(2.5%*B27)	1	=IF(D27<5,2,IF(D27>=15,10,5))	2	20	=C27-(E27*F27)-G27

Income
 100+
 0.025*B3
 1 mark
 1 mark

Viewing cost
 Nested IF (2 or 3 tiers)
 IF D3<5
 Returns 2
 IF D3 >=5 AND <15
 Returns 5
 IF D3 >=15
 Returns 10
 1 mark
 1 mark
 1 mark
 1 mark
 1 mark

Profit
 C3
 -E3*F3
 -G3
 1 mark
 1 mark
 1 mark

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28	1043	19300	=100+(2.5%*B28)	13	=IF(D28<5,2,IF(D28>=15,10,5))	2	20	=C28-(E28*F28)-G28
29	1045	13700	=100+(2.5%*B29)	30	=IF(D29<5,2,IF(D29>=15,10,5))	0	20	=C29-(E29*F29)-G29
30	1046	18700	=100+(2.5%*B30)	6	=IF(D30<5,2,IF(D30>=15,10,5))	2	20	=C30-(E30*F30)-G30
31	1047	13600	=100+(2.5%*B31)	0	=IF(D31<5,2,IF(D31>=15,10,5))	5	20	=C31-(E31*F31)-G31
32	1048	27500	=100+(2.5%*B32)	3	=IF(D32<5,2,IF(D32>=15,10,5))	1	40	=C32-(E32*F32)-G32
33	1050	13600	=100+(2.5%*B33)	7	=IF(D33<5,2,IF(D33>=15,10,5))	0	20	=C33-(E33*F33)-G33
34	1051	18500	=100+(2.5%*B34)	0	=IF(D34<5,2,IF(D34>=15,10,5))	3	20	=C34-(E34*F34)-G34
35	1052	14900	=100+(2.5%*B35)	0	=IF(D35<5,2,IF(D35>=15,10,5))	3	20	=C35-(E35*F35)-G35
36	1053	20000	=100+(2.5%*B36)	0	=IF(D36<5,2,IF(D36>=15,10,5))	0	35	=C36-(E36*F36)-G36
37	1054	16000	=100+(2.5%*B37)	16	=IF(D37<5,2,IF(D37>=15,10,5))	1	20	=C37-(E37*F37)-G37
38	1055	22000	=100+(2.5%*B38)	20	=IF(D38<5,2,IF(D38>=15,10,5))	0	35	=C38-(E38*F38)-G38
39	1056	14000	=100+(2.5%*B39)	4	=IF(D39<5,2,IF(D39>=15,10,5))	1	20	=C39-(E39*F39)-G39
40								
41							Total profit	=ROUND(SUM(H3:H39),0)

Row headings	visible	1 mark
Column headings	visible	1 mark
Replication	All formulae rows	1 mark
Orientation	Landscape & 1 page wide	1 mark

Total profit	=SUM(H3:H39)	1 mark
	=ROUND(#####,0)	1 mark

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A Candidate, XX999, 9999

Last revision on &[Date] &[Time]

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

Bavaro Office							
Property number	Price	Income	Distance	Viewing cost	Times viewed	Advertising cost	Profit
1013	\$757.50		0	\$2.00	1	\$35.00	\$720.50
1014					1	\$35.00	\$777.50
1015					1	\$20.00	\$418.00
1016					4	\$20.00	\$470.00
1017					1	\$20.00	\$457.50
1018					1	\$20.00	\$427.50
1019					3	\$20.00	\$542.50
1020					5	\$35.00	\$625.00
1023	\$14,500.00	\$462.50	9	\$5.00	2	\$20.00	\$432.50
1024	\$27,200.00	\$780.00	29	\$10.00	2	\$35.00	\$725.00
1025	\$17,600.00	\$540.00	15	\$10.00	3	\$20.00	\$490.00
1027	\$24,900.00	\$722.50	1	\$2.00	0	\$35.00	\$687.50
1028	\$22,000.00	\$650.00	14	\$5.00	4	\$35.00	\$595.00
1029	\$20,100.00	\$602.50	6	\$5.00	3	\$35.00	\$552.50
1030	\$14,400.00	\$460.00	17	\$10.00	0	\$20.00	\$440.00
1031	\$19,800.00	\$595.00	0	\$2.00	0	\$20.00	\$575.00
1032	\$22,500.00	\$662.50	6	\$5.00	1	\$35.00	\$622.50
1033	\$27,000.00	\$775.00	2	\$2.00	0	\$35.00	\$740.00
1034	\$26,700.00	\$767.50	6	\$5.00	0	\$35.00	\$732.50
1037	\$13,900.00	\$447.50	17	\$10.00	4	\$20.00	\$387.50
1038	\$12,000.00	\$400.00	24	\$10.00	2	\$20.00	\$360.00
1039	\$13,800.00	\$445.00	4	\$2.00	4	\$20.00	\$417.00
1040	\$17,500.00	\$507.50	5	\$5.00	0	\$20.00	\$517.50
1041						\$20.00	\$437.50
1042						\$20.00	\$501.00
1043						\$20.00	\$552.50
1045						\$20.00	\$422.50
1046	\$18,700.00	\$547.50	6	\$5.00	2	\$20.00	\$537.50
1047	\$13,600.00	\$440.00	0	\$2.00	5	\$20.00	\$410.00
1048	\$27,500.00	\$787.50	3	\$2.00	1	\$40.00	\$745.50
1050	\$13,600.00	\$440.00	7	\$5.00	0	\$20.00	\$420.00
1051	\$18,500.00	\$562.50	0	\$2.00	3	\$20.00	\$536.50
1052	\$14,900.00	\$472.50	0	\$2.00	3	\$20.00	\$446.50
1053	\$20,000.00	\$600.00	0	\$2.00	0	\$35.00	\$565.00
1054	\$16,000.00	\$500.00	16	\$10.00	1	\$20.00	\$470.00
1055	\$22,000.00	\$650.00	20	\$10.00	0	\$35.00	\$615.00
1056	\$14,000.00	\$450.00	4	\$2.00	1	\$20.00	\$428.00
						Total profit	\$19,801

A Candidate, XX999, 9999

Last revision on &[Date] &[Time]

Bavaro Office

Property number	Price	Income	Distance	Viewing cost	Times viewed	Advertising cost	Profit
1013	\$26,300.00	\$757.50	0	\$2.00	1	\$35.00	\$720.50
1014	\$28,900.00	\$822.50	27	\$10.00	1	\$35.00	\$777.50
1015	\$13,600.00	\$440.00	2	\$2.00	1	\$20.00	\$418.00
1016	\$16,400.00	\$510.00	8	\$5.00	4	\$20.00	\$470.00
1017	\$15,300.00	\$482.50	11	\$5.00	1	\$20.00	\$457.50
1019	\$14,100.00	\$452.50	8	\$5.00	1	\$20.00	\$427.50
1020	\$19,100.00	\$577.50	14	\$5.00	3	\$20.00	\$542.50
1021	\$24,400.00	\$710.00	20	\$10.00	5	\$35.00	\$625.00
1023	\$14,500.00	\$462.50	9	\$5.00	2	\$20.00	\$432.50
1024	\$27,200.00	\$780.00	29	\$10.00	2	\$35.00	\$725.00
1025	\$17,600.00	\$540.00	15	\$10.00	3	\$20.00	\$490.00
1027	\$24,900.00	\$722.50	1	\$2.00	0	\$35.00	\$687.50
1028	\$22,000.00	\$650.00	14	\$5.00	4	\$35.00	\$595.00
1029	\$20,100.00	\$602.50	6	\$5.00	3	\$35.00	\$552.50
1030	\$14,400.00	\$460.00	17	\$10.00	0	\$20.00	\$440.00
1031	\$19,800.00	\$595.00	0	\$2.00	0	\$20.00	\$575.00
1032	\$22,500.00	\$662.50	6	\$5.00	1	\$35.00	\$622.50
1033	\$27,000.00	\$775.00	2	\$2.00	0	\$35.00	\$740.00
1034	\$26,700.00	\$767.50	6	\$5.00	0	\$35.00	\$732.50
1037	\$13,900.00	\$447.50	17	\$10.00	4	\$20.00	\$387.50
1038	\$12,000.00	\$400.00	24	\$10.00	2	\$20.00	\$360.00
1039	\$13,800.00	\$445.00	4	\$2.00	4	\$20.00	\$417.00
1040	\$17,500.00	\$537.50	5	\$5.00	0	\$20.00	\$517.50
1041	\$14,300.00	\$457.50	14	\$5.00	0	\$20.00	\$437.50
1042	\$17,000.00	\$525.00	1	\$2.00	2	\$20.00	\$501.00
1043	\$19,300.00	\$582.50	13	\$5.00	2	\$20.00	\$552.50
1045	\$13,700.00	\$442.50	30	\$10.00	0	\$20.00	\$422.50
1046	\$18,700.00	\$567.50	6	\$5.00	2	\$20.00	\$537.50
1047	\$13,600.00	\$440.00	0	\$2.00	5	\$20.00	\$410.00
1048	\$27,500.00	\$787.50	3	\$2.00	1	\$40.00	\$745.50
1050	\$13,600.00	\$440.00	7	\$5.00	0	\$20.00	\$420.00
1051	\$18,500.00	\$562.50	0	\$2.00	3	\$20.00	\$536.50
1052	\$14,900.00	\$472.50	0	\$2.00	3	\$20.00	\$446.50
1053	\$20,000.00	\$600.00	0	\$2.00	3	\$35.00	\$559.00
1054	\$16,000.00	\$500.00	16	\$10.00	1	\$20.00	\$470.00
1055	\$22,000.00	\$650.00	20	\$10.00	5	\$35.00	\$565.00
1056	\$14,000.00	\$450.00	4	\$2.00	1	\$20.00	\$428.00
Total profit							\$19,745

Modelling **Data changed**
Total profit correct

1 mark
1 mark

Bavaro Office

