

**MARK SCHEME for the October/November 2012 series**

**0417 INFORMATION AND COMMUNICATION  
TECHNOLOGY**

**0417/02**

Paper 2, 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 October/November 2012 series for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level components and some Ordinary Level components.

www.PapaCambridge.com

# Tawara Star Family Cars

## Latest Company News by: Name

Section break after titles 1 mark  
2 columns and 1 cm space 1 mark

Title entry – 100% accurate, formatted and centre aligned 2 marks

RTF file found and inserted in correct place 1 mark (Two paras)  
Body text to match body 1 mark  
Subheads to match subheadings style 1 mark

park just outside the  
Micro range is on sale.

This is a photo of the showroom that we have opened. Here you can find the full range of the latest Micro models. These small cars are ideal for the family to use in town and country.



is achieved through the use of a light pressure turbine. In addition, the engine is a very advanced and economical design. This is achieved through the use of a light pressure turbine. In addition, the engine is a very advanced and economical design. This is achieved through the use of a light pressure turbine. In addition, the engine is a very advanced and economical design.

### *The MicroZed*

Spelling errors corrected 1 mark

is the **sole**

franchisee for the Lola Motor Corporation's range of eco-friendly family cars. These cars are aimed at the new-owner segment of the market, starting with economy models affordable by all. Despite being economical to buy and run, these cars are built with long life in mind, using state of the art manufacturing technologies. These are designed with a sturdy build to give simple servicing and economical repairs, so that the owner can enjoy years of worry free motoring or expect a good resale value based on a quality product.

Image  
Placed and aligned correctly to text and margin 1 mark  
Resized to fill half column with no distortion 1 mark  
Text wrapped round image 1 mark

our diesel powered model. It is equipped with a common rail direct injection diesel engine as well as having many optional extras that can be fitted at the factory.

### *The MicroEco*

### *The Micro and MicroB*

The MicroB is the baby of the family, but it can still easily carry four adults. With three and four door versions it meets a range of demands. The engine is a very advanced and economical design.

Powered by electric motors from the on-board batteries, this car will take you almost silently round town. Acceleration is comparable to the diesel model. A full charge can be made over night and as charging points in the town become more common, can be topped up while you shop. It is not just for running around town. It will take you up to sixty miles between charges. This really is the clean and environmentally friendly solution to modern motoring.

Body text:  
14 point serif font 1 mark  
Single linespaced 1 mark  
Fully justified 1 mark  
One blank linespace after each paragraph 1 mark

This special edition has a larger, four cylinder engine designed with fuel economy in mind. It also features a hybrid technology.

All subheads identified and formatted 14 pt italic serif font, centre aligned

www.PapaCambridge.com

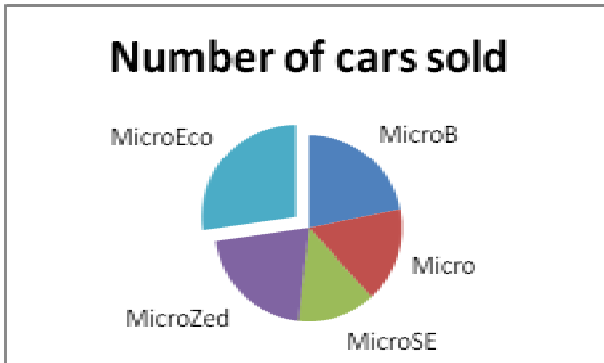
name

Candidate number

Centre

Sales of the MicroEco by our sales team in Madrid are really taking off.

*Sales Report*



Sales person	Model	Price	Sum	Count
Leon	MicroEco	€13,000.00	€39,000.00	3
Machado	MicroEco	€13,000.00	€52,000.00	4
Marcos	MicroEco	€13,000.00	€52,000.00	4
Sanchez	Micro	€13,000.00	€195,000.00	15
Villalobos	Micro	€13,000.00	€91,000.00	7

The whole range of the new Micros is selling well. We include here a chart to show how well each model is performing.

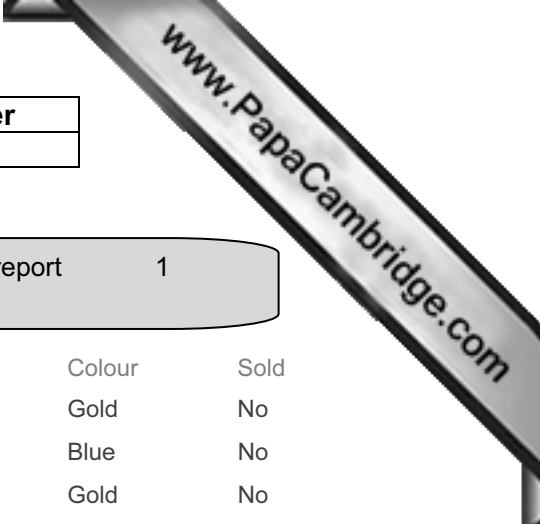
- Chart:
- Pie chart created 1 mark
  - Title as given 100% accurate 1 mark
  - Series labels in full 1 mark
  - Segment withdrawn/highlighted 1 mark
  - No legend 1 mark
  - Inserted in correct place 1 mark
  - Resized to fit in column 1 mark

- Database extract
- Summary of MicroEco, Sold in Madrid 1 mark
  - Model, Price, Salesperson, Count and Sum fields displayed 1 mark
  - Inserted in correct place 1 mark
  - Sum of sales 1 mark
  - Count of sales 2 marks
  - Resized to fit in column 1 mark

- Page layout
- A4 portrait 1 mark
  - Margins all 2 cms 1 mark
  - No widows / orphans
  - No split tables/charts/images 1 mark
  - Document complete 1 mark

- Footer
- Date left
  - Page number centre aligned 1 mark

<b>Page 4</b>	<b>Mark Scheme</b>	<b>Syllabus</b>	<b>Paper</b>
	<b>IGCSE – October/November 2012</b>	<b>0453</b>	<b>02</b>



Name, centre no, candidate no

List of MicroSE cars in stock

Candidate details at top of report mark 1

Report title 1 mark

Location	VIN	Model	Power	Engine_size	Price	Colour	Sold
Hamburg	376A15423011	MicroSE	H	900	€12,000.00	Gold	No
Hamburg	372B15423019	MicroSE	H	900	€12,000.00	Blue	No
Hamburg	373C15423015	MicroSE	H	900	€12,000.00	Gold	No
Hamburg	372B15423012	MicroSE	H	900	€12,000.00	Red	No
Hamburg	372B15423002	MicroSE	H	900	€12,000.00	Green	No
Hamburg	373A15423001	MicroSE	H	900	€12,000.00	Gold	No
Hamburg	375C15423020	MicroSE	H	900	€12,000.00	White	No
Hamburg	376A15423015	MicroSE	H	900	€12,000.00	Red	No
Hamburg	377C15423015	MicroSE	H	900	€12,000.00	Green	No
Hamburg	377A15423019	MicroSE	H	900	€12,000.00	Silver	No
Hamburg	377A15423017	MicroSE	H	900	€12,000.00	Red	No
London	377B15423014	MicroSE	H	900	€12,000.00	Red	No
London	377A15423004	MicroSE	H	900	€12,000.00	Green	No
London	377A15423003	MicroSE	H	900	€12,000.00	Green	No
London	377A15423001	MicroSE	H	900	€12,000.00	Gold	No
London	376B15423017	MicroSE	H	900	€12,000.00	Blue	No
London	377B15423012	MicroSE	H	900	€12,000.00	Silver	No
Madrid	373A15423001	MicroSE	H	900	€12,000.00	Green	No
Madrid	373A15423002	MicroSE	H	900	€12,000.00	Silver	No
Madrid	371B15423004	MicroSE	H	900	€12,000.00	Blue	No

Page orientation landscape 1 mark  
 Only these 8 fields (any order) 1 mark  
 Labels and data fully visible 1 mark  
 Fits one page wide 1 mark

Selected records  
 MicroSE and NOT sold 2 marks

Records sorted on Location ascending 1 mark

<b>Page 5</b>	<b>Mark Scheme</b>	<b>Syllabus</b>	<b>Paper</b>
	<b>IGCSE – October/November 2012</b>	<b>0453</b>	<b>02</b>

Name, centre no, candidate no

Location	VIN	Model	Power	Engine_Size	Price	Colour	Sold
Madrid	372B15423018	MicroSE	H	900	€12,000.00	Silver	No
Madrid	374C15423007	MicroSE	H	900	€12,000.00	Red	No
Madrid	375C15423019	MicroSE	H	900	€12,000.00	Green	No
Madrid	375C15423012	MicroSE	H	900	€12,000.00	Blue	No
Madrid	375C15423016	MicroSE	H	900	€12,000.00	Red	No
Madrid	377A15423002	MicroSE	H	900	€12,000.00	Silver	No
Madrid	377B15423017	MicroSE	H	900	€12,000.00	White	No
Paris	371A15423015	MicroSE	H	900	€12,000.00	Green	No
Paris	374B15423015	MicroSE	H	900	€12,000.00	Silver	No
Paris	372B15423014	MicroSE	H	900	€12,000.00	Gold	No
Paris	371B15423014	MicroSE	H	900	€12,000.00	Silver	No
Paris	374A15423014	MicroSE	H	900	€12,000.00	White	No
Paris	375C15423009	MicroSE	H	900	€12,000.00	White	No
Paris	372B15423001	MicroSE	H	900	€12,000.00	Silver	No
Paris	376C15423010	MicroSE	H	900	€12,000.00	Red	No
Paris	372C15423009	MicroSE	H	900	€12,000.00	Blue	No
Rotterdam	373A15423013	MicroSE	H	900	€12,000.00	White	No
Rotterdam	373B15423011	MicroSE	H	900	€12,000.00	Blue	No
Rotterdam	374A15423018	MicroSE	H	900	€12,000.00	Green	No
Rotterdam	374B15423007	MicroSE	H	900	€12,000.00	White	No
Rotterdam	375C15423010	MicroSE	H	900	€12,000.00	Green	No
Rotterdam	377C15423017	MicroSE	H	900	€12,000.00	White	No

<b>Page 6</b>	<b>Mark Scheme</b>	<b>Syllabus</b>	<b>Paper</b>
	<b>IGCSE – October/November 2012</b>	<b>0453</b>	<b>02</b>

Name, centre no, candidate no

Location	VIN	Model	Power	Engine_Size	Price	Colour	Sold
Rotterdam	376B15423003	MicroSE	H	900	€12,000.00	Gold	No
Rotterdam	377B15423010	MicroSE	H	900	€12,000.00	Blue	No
Rotterdam	377C15423013	MicroSE	H	900	€12,000.00	Gold	No
Rotterdam	375A15423016	MicroSE	H	900	€12,000.00	White	No

Name and details

Hybrid power cars

46

22 October 2010

Page 3 of 3

Count of records = 46	1
mark	
Label: Hybrid power cars (100% accurate)	1
mark	

www.PapaCambridge.com

Name, centre no, candidate no

## Sales discounts for Algier

Report title as given (100% accurate)

Sales_person	Model	Price	Discount_applied	Date_sold	discount_value	Sold
Algier	MicroZed	€11,000.00	0	02/01/2012	€0.00	Yes
Algier	MicroZed	€11,000.00	5	03/02/2012	€550.00	Yes
Algier	MicroB	€7,500.00	0	03/02/2012	€0.00	Yes
Algier	MicroSE	€12,000.00	10	07/02/2012	€1,200.00	Yes
Algier	Micro	€8,500.00	15	08/03/2012	€1,275.00	Yes
Algier	MicroZed	€11,000.00	20	10/03/2012	€2,200.00	Yes
Algier	MicroZed	€11,000.00	0	01/04/2012	€0.00	Yes
Algier	MicroEco	€13,000.00	0	01/04/2012	€0.00	Yes
Algier	MicroSE	€12,000.00	10	07/04/2012	€1,200.00	Yes
Algier	MicroZed	€11,000.00	10	09/04/2012	€1,100.00	Yes
Algier	Micro	€8,500.00	10	03/05/2012	€850.00	Yes
Algier	MicroZed	€11,000.00	10	06/05/2012	€1,100.00	Yes
Algier	Micro	€8,500.00	10	08/05/2012	€850.00	Yes
Algier	MicroSE	€12,000.00	10	09/05/2012	€1,200.00	Yes

Only these fields 1 mark

Sorted date sold ascending 1 mark

Name, Centre number, candidate number  
24 September 2012 Page 1 of 1

Discounts given €13,275.00

Candidate details 1 mark

Discount value calculated 2 marks

Selection criteria  
 Sold = yes 1 mark  
 Date in 2012 1 mark  
 Sales person is Algier 1 mark

Three records edited 100% correct 3 marks

All currency values formatted as Euros +2dp 1 mark

Sum of Discount value 2 marks  
 Label: Discounts given (100% accurate) 1 mark

<b>Page 8</b>	<b>Mark Scheme</b>	<b>Syllabus</b>
	<b>IGCSE – October/November 2012</b>	<b>0453</b>

Name, centre no, candidate no

Evidence document

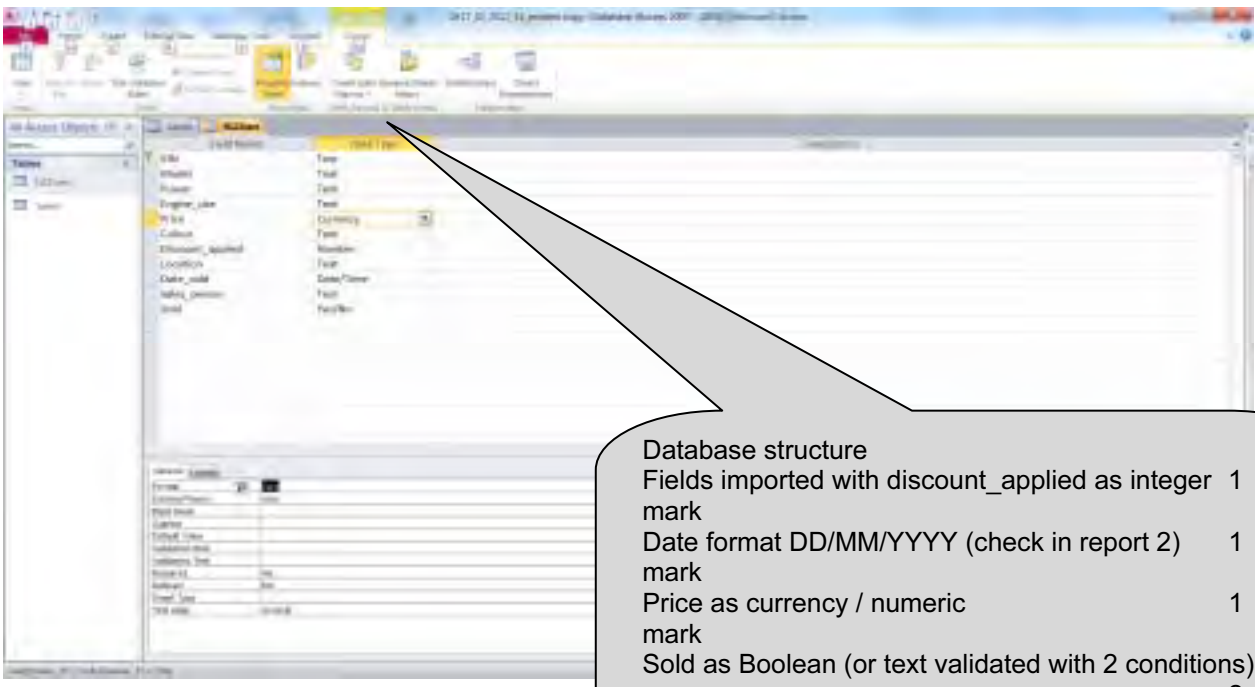
The five files saved in work area.

File list 1 mark

Contact details

**Sebastian Felin**  
**Sales Director**  
**felin.s@cie.org.uk**

Contact name and job title with email address 2 marks

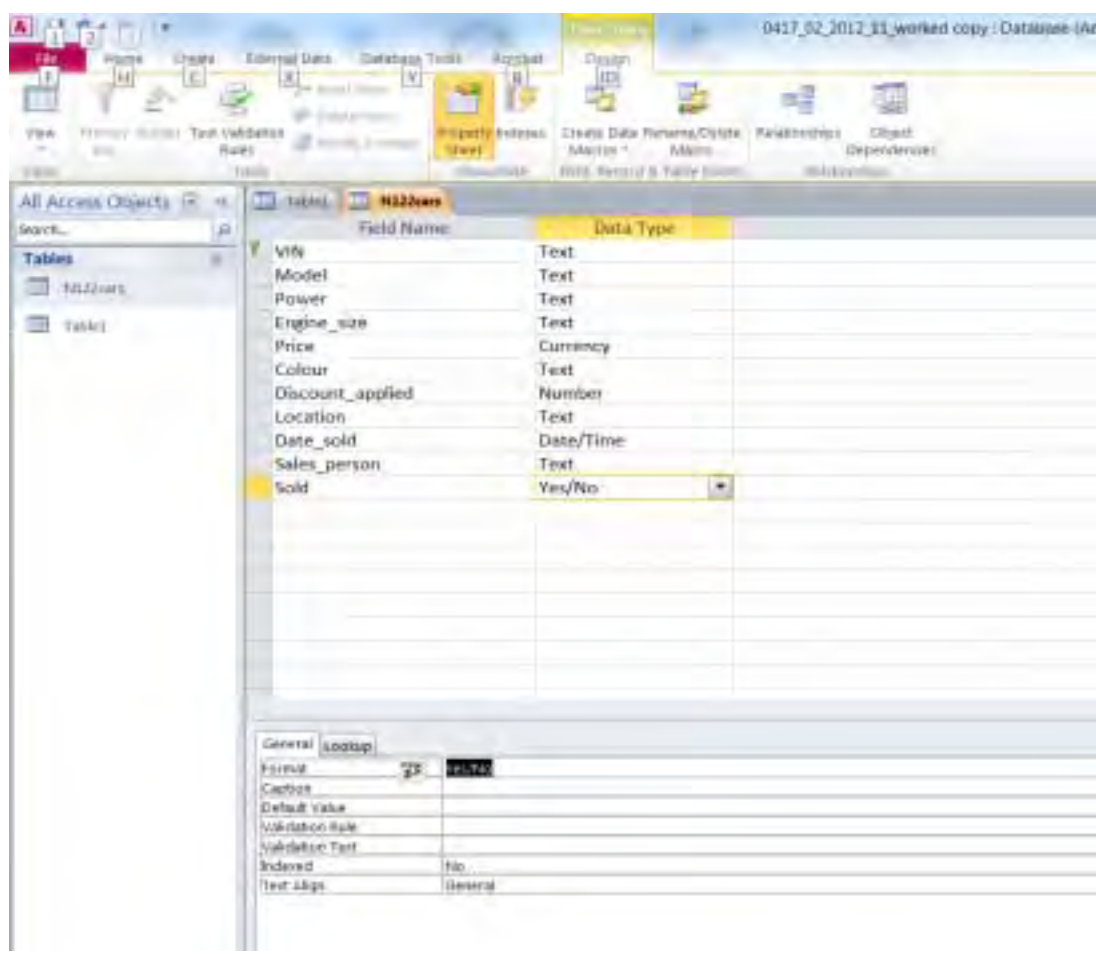
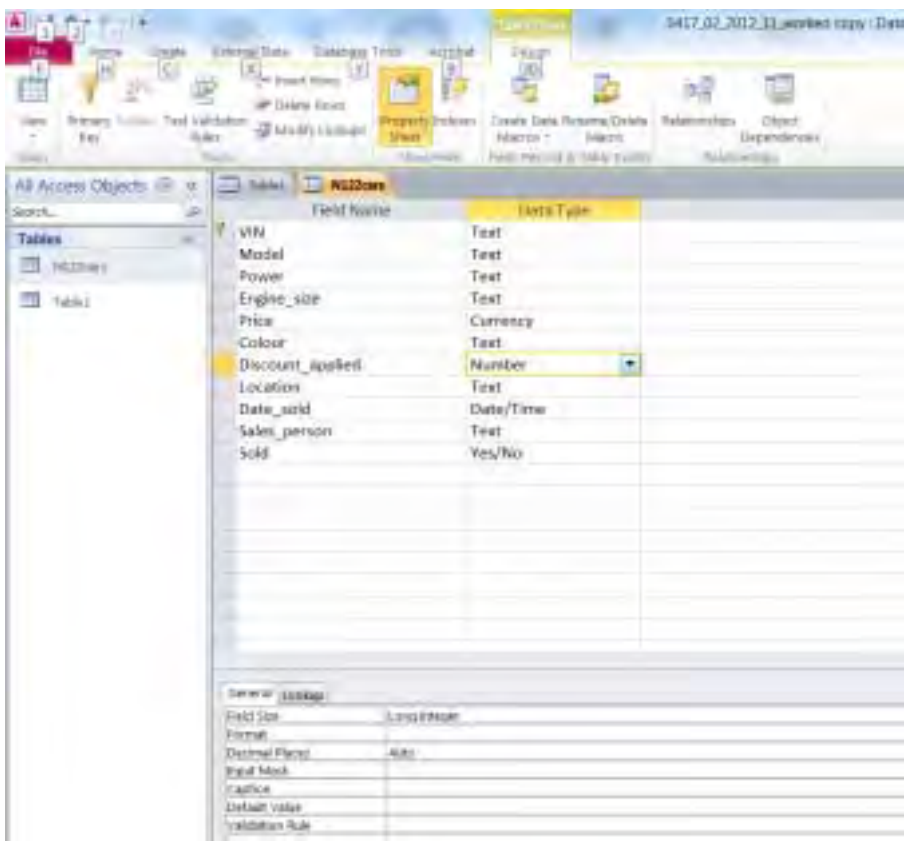


Database structure  
Fields imported with discount\_applied as integer 1 mark  
Date format DD/MM/YYYY (check in report 2) 1 mark  
Price as currency / numeric 1 mark  
Sold as Boolean (or text validated with 2 conditions) 2 marks

Database structure



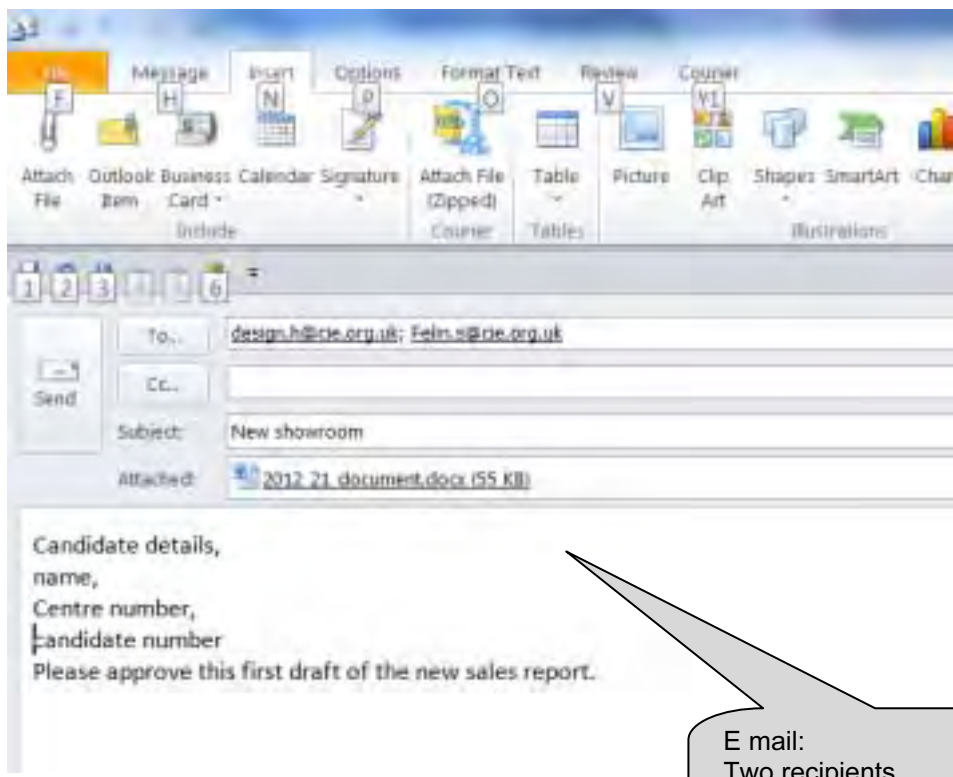
Name, centre no, candidate no



Page 10	Mark Scheme	Syllabus
	IGCSE – October/November 2012	0453

Name, centre no, candidate no

Email



- E mail: 2 marks
- Two recipients 2 marks
- Subject 1 mark
- Attached document file 1 mark
- Message text 1 mark