

CAMBRIDGE INTERNATIONAL EXAMINATIONS
International General Certificate of Secondary Education

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.

Page 2	Mark Scheme	Syllabus	Paper
IGCSE – Oc		name left	candidate no centre
		Centre no right	1 mark

name Candidate number Centre number

Tawara Star Family Cars

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

Latest Company News by: Name

We at Tawara Star Family Cars have now opened an addition to the plant. Advanced our new showroom park just outside the Micro range is on sale.

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

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



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

Spelling errors corrected 1 mark

the sole franchisee for the Lola Motor Corporation's 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

The MicroZed
The MicroZed is a diesel powered model. It is equipped with a common rail direct injection diesel engine for urban cycle as well as exceedingly low fuel consumption on motorway journeys. It is equipped with an impressive array of driving safety features 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 doors and a 1.4 litre engine, it is perfect for the city. The Micro is a six hundred cc petrol powered micro. There are optional extras such as air conditioning, alloy wheels and cd-radio players with MP3 input available for this model.

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

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.

The MicroSE

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

All subheads identified and formatted 14 pt italic serif font, centre aligned 1 mark

Page 3	Mark Scheme	Syllabus	Paper
IGCSE – October/November 2012			

Text added 1 mark

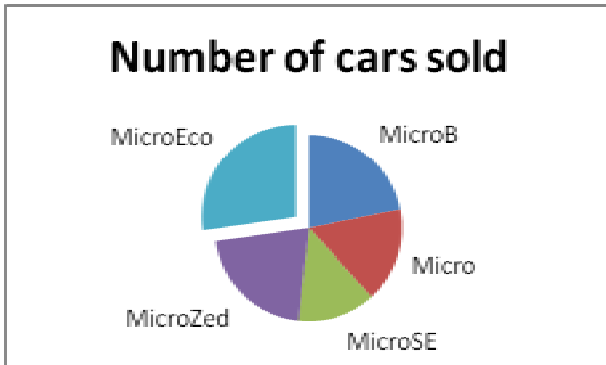
name

Candidate number

Centre number

Sales Report

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



Jx11cars_v2 Query2				
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 our Spanish sales team is performing.

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

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

Page 4	Mark Scheme	Syllabus	Paper
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Name, centre no, candidate no

List of MicroSE cars in stock

Report title 1 mark

Candidate details at top of report 1 mark
 Top of each page of report 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

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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

Page 6	Mark Scheme	Syllabus	Paper
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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

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Name, centre no, candidate no

Sales discounts for Algier

Report title as given (100% accurate) 1 mark

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	€50.00	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	07/04/2012	€0.00	Yes
Algier	MicroEco	€13,000.00	0	07/04/2012	€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

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

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Name, centre no, candidate no

Evidence document

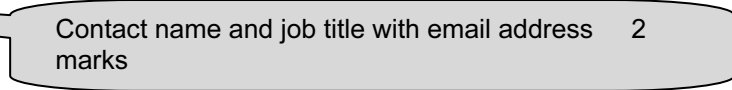
The five files saved in work area.



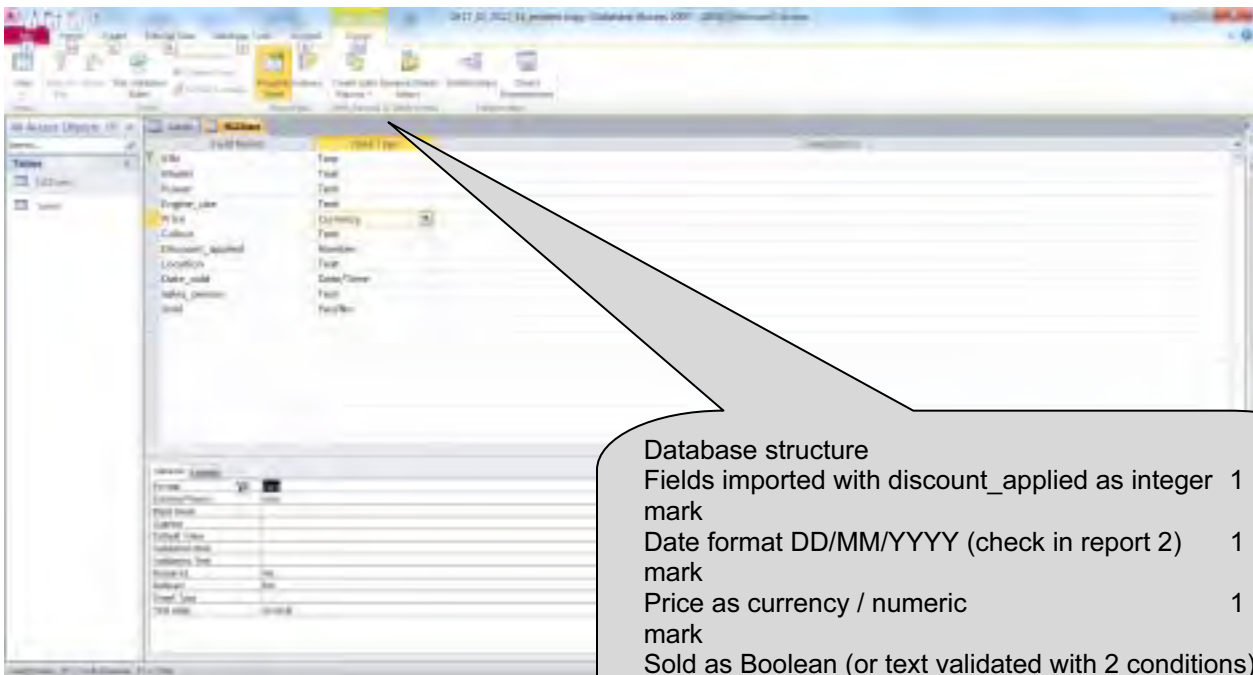
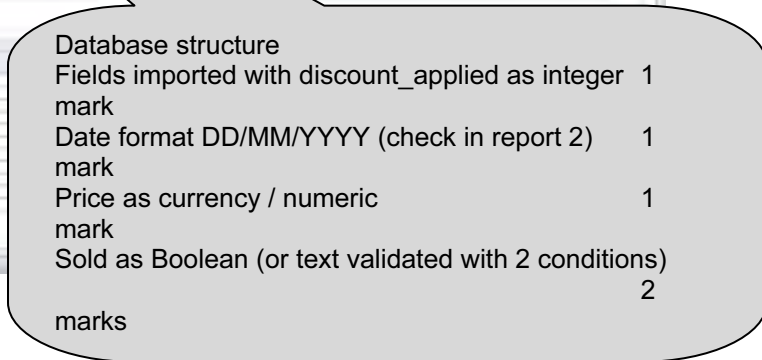
File list 1 mark

Contact details

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



Contact name and job title with email address 2 marks

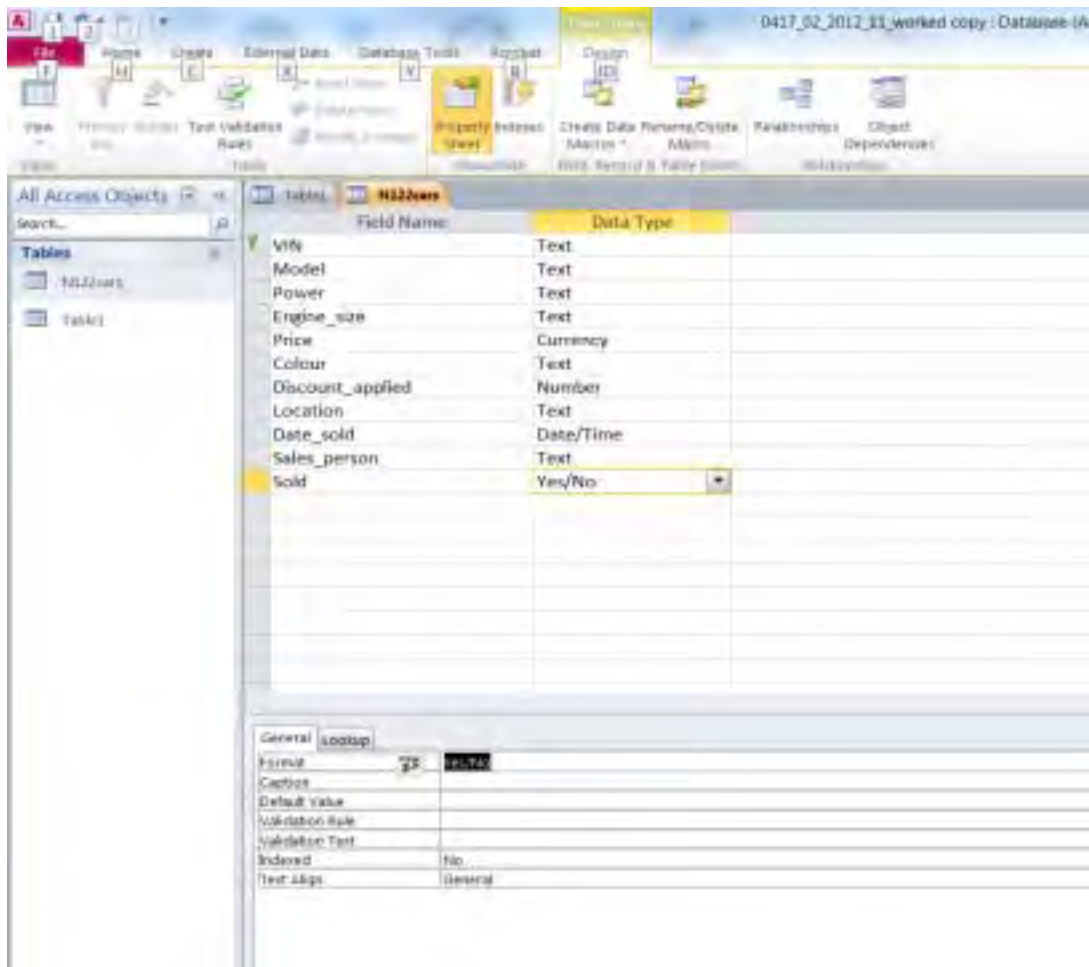
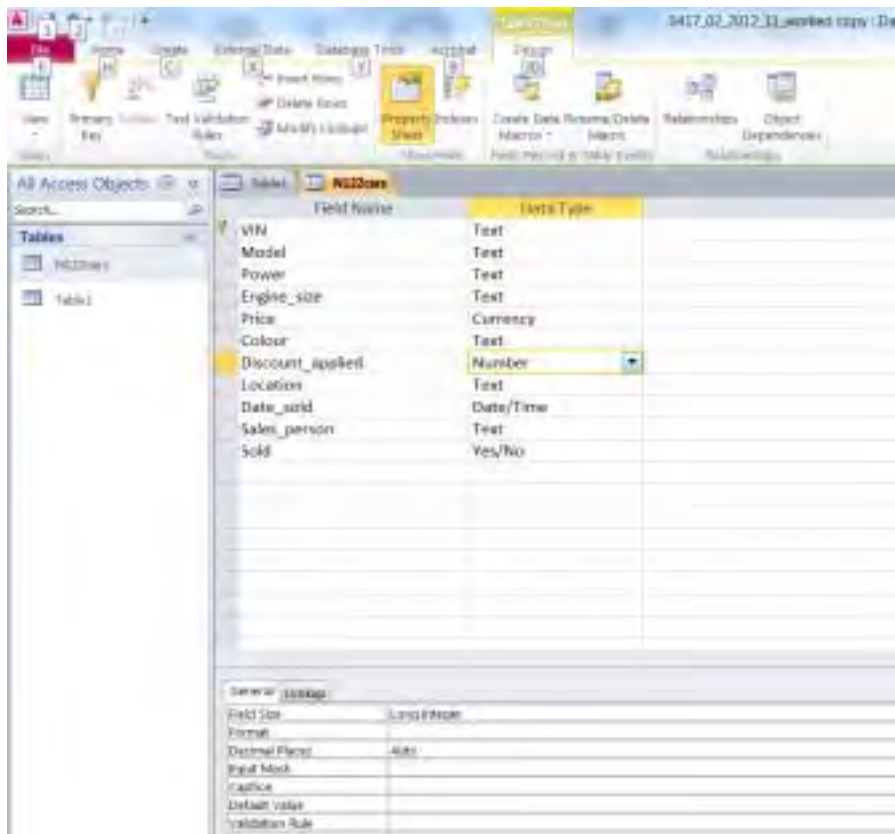



Database structure
 Fields imported with discount_applied as integer 1 mark
 Date format DD/MM/YYYY (check in report 2) 1 mark
 Price as currency / numeric 1 mark
 Sold as Boolean (or text validated with 2 conditions) 2 marks

Database structure

Page 9	Mark Scheme	Syllabus	Paper
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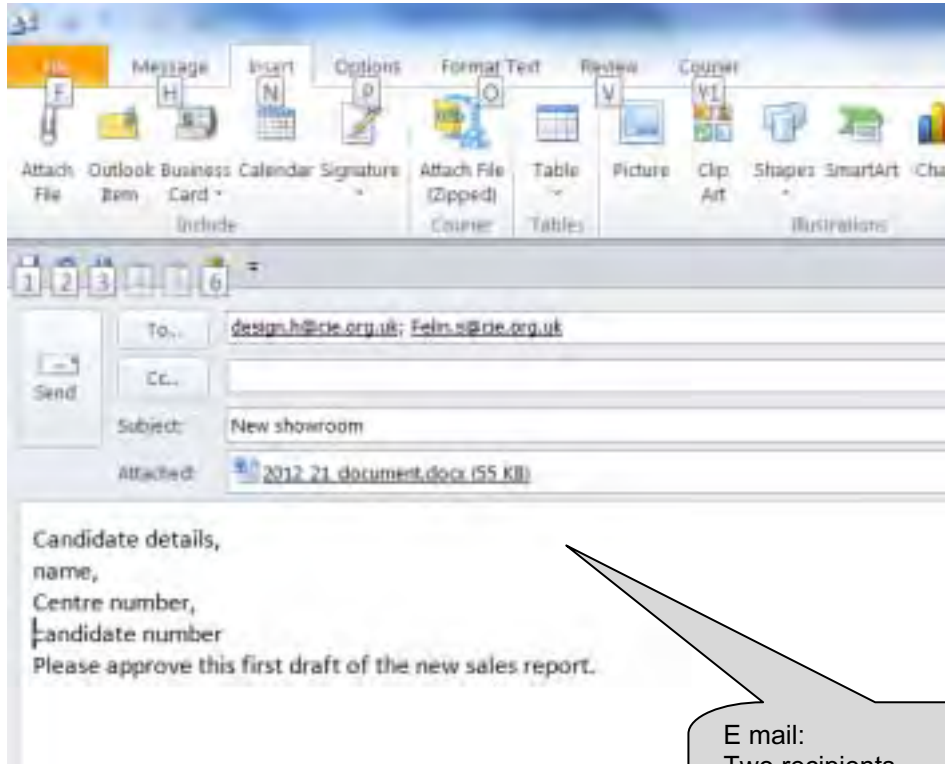
Name, centre no, candidate no



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Name, centre no, candidate no

Email



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