

**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.

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| 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 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.



is achieved through the use of a high pressure turbo charger and the hybrid motor, giving extra power. The MicroZed is a diesel powered model. 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.

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

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, it is perfect for the family. 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 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

Text added

1 mark

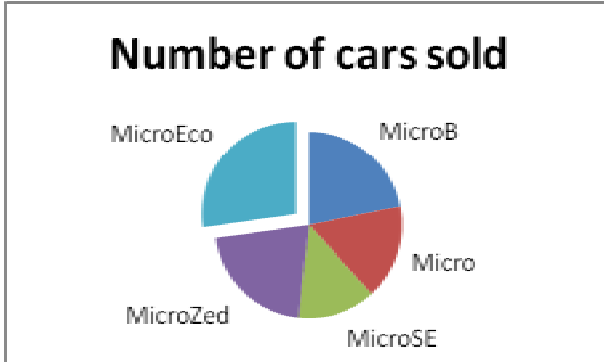
name

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:

- 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

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|               |                                      |                 |              |
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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   | 377B15423017 | MicroSE | H     | 900         | €12,000.00 | Silver | No   |
| Madrid   | 373A15423004 | MicroSE | H     | 900         | €12,000.00 | Green  | No   |
| Madrid   | 373A15423003 | 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   |

|               |                                      |                 |              |
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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

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

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

Candidate details 1 mark

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

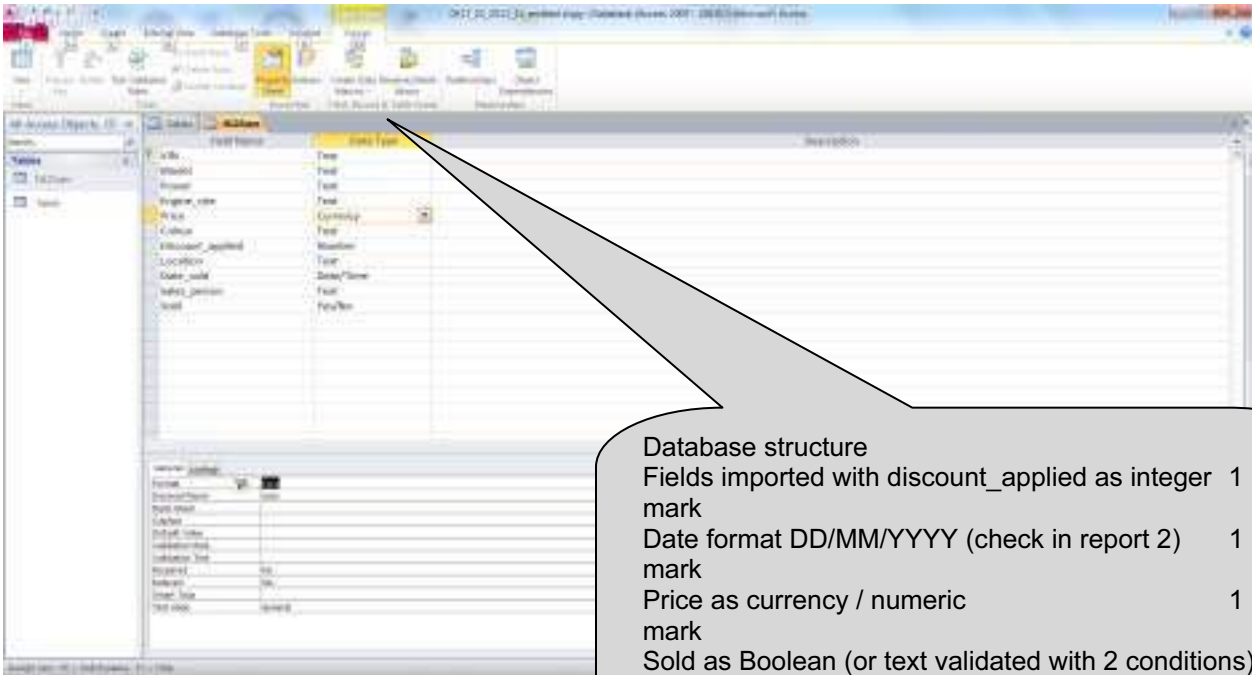
The five files saved in work area.

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

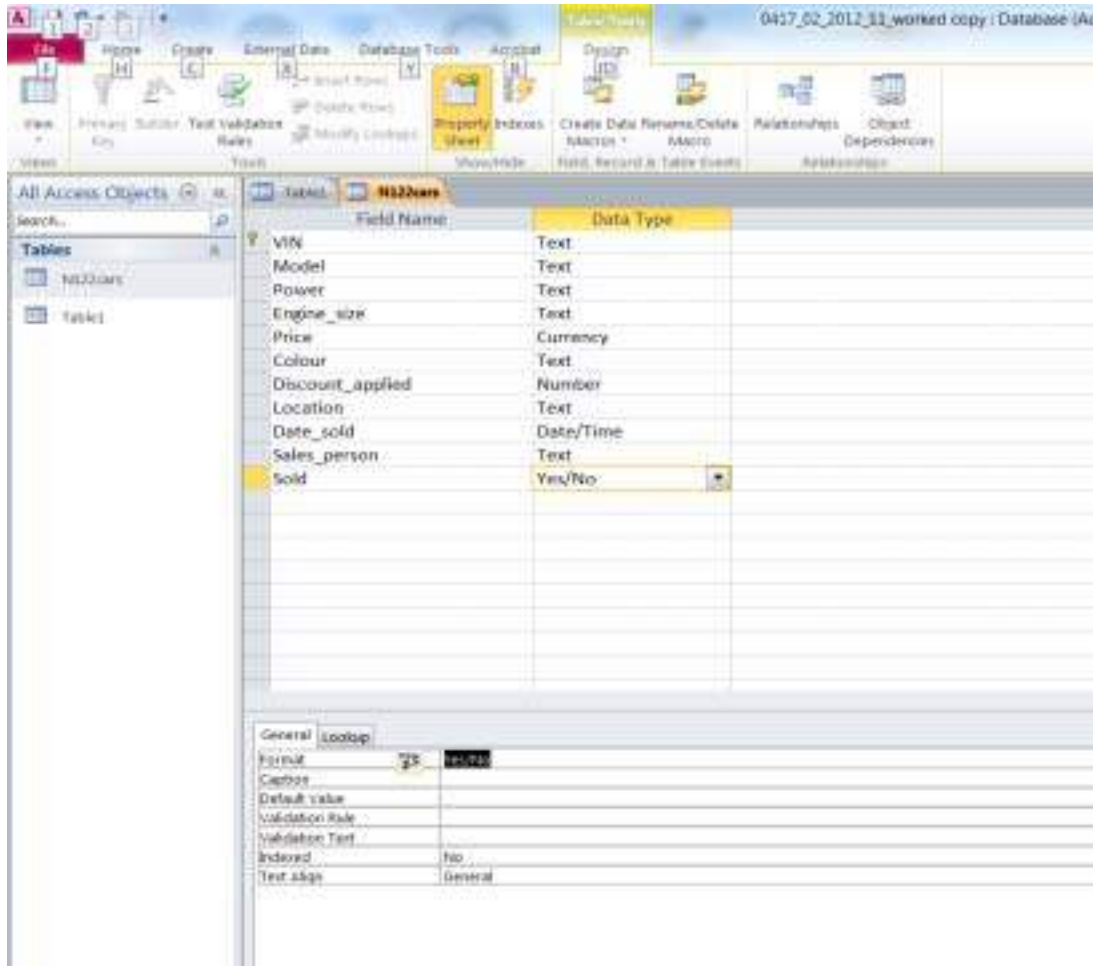
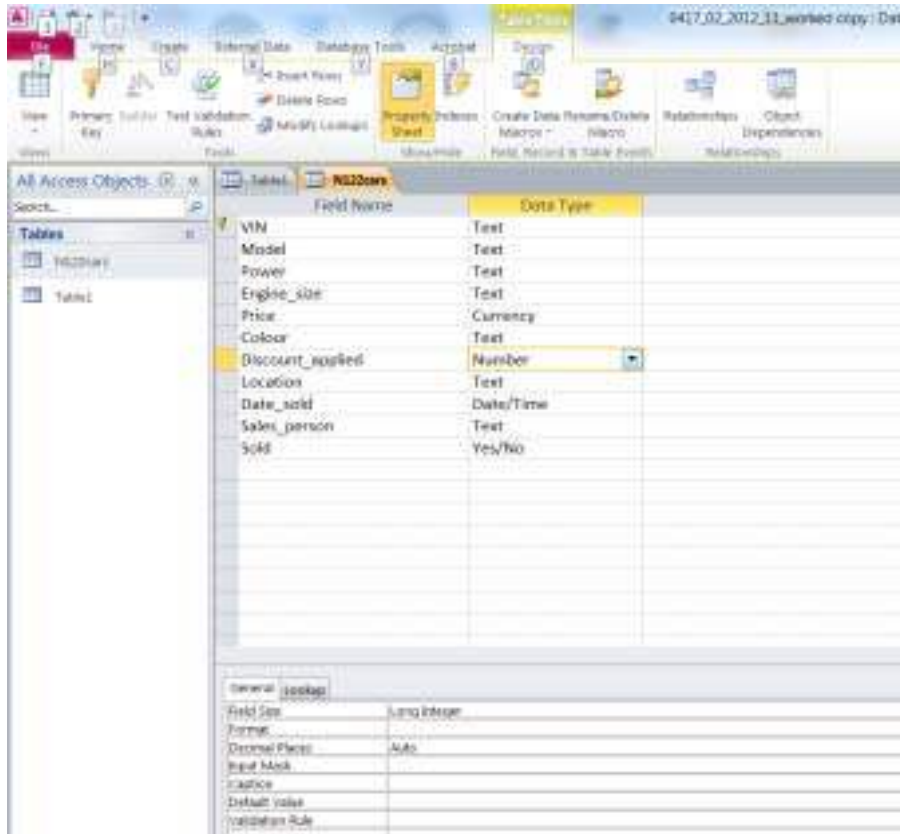


Database structure  
Fields imported with discount\_applied as integer 1 mark  
Date format DD/MM/YYYY (check in report 2) 1 mark  
Price as currency / numeric 1 mark  
Sold as Boolean (or text validated with 2 conditions) 2 marks

Database structure



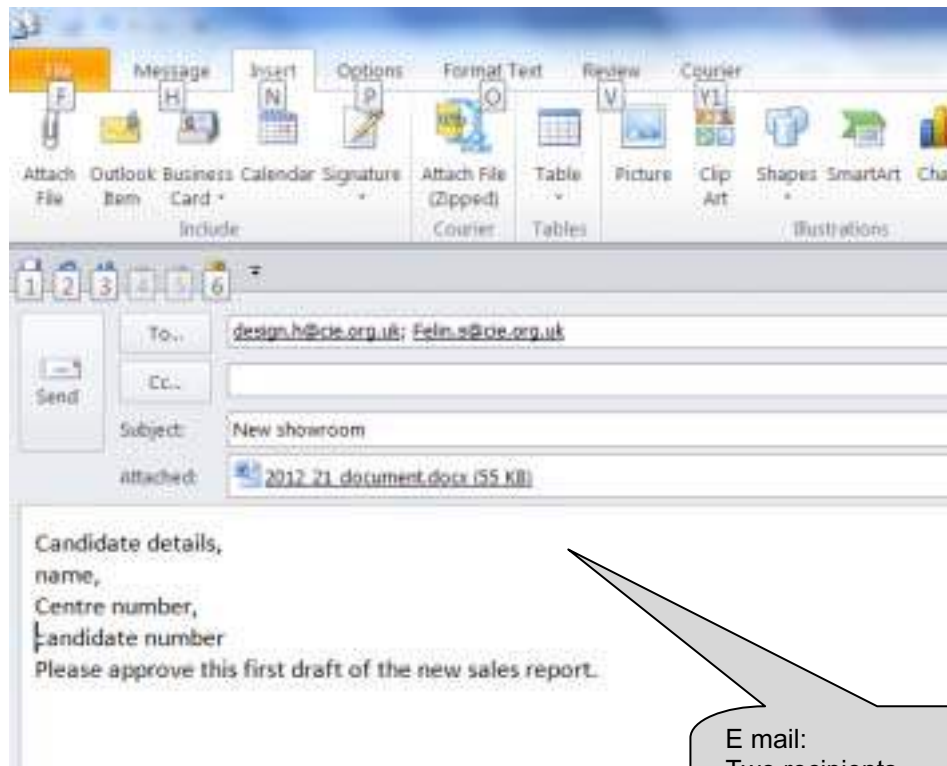
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|         |                               |          |       |
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Email



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