UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
Cambridge International Diploma in ICT
Standard Level

DATA ANALYSIS   **5192/A**

Optional Module: Practical Assessment

No Additional Materials are required

**1 hour
and 15 minutes reading time**

READ THESE INSTRUCTIONS FIRST

Candidates are permitted **15 minutes** reading time before attempting the paper.

Make sure that your name, centre number and candidate number are shown on each printout that you are asked to produce.

Carry out **every** instruction in each task.

Tasks are numbered on the left hand side of the page, so that you can see what to do, step by step. On the right hand side of the page for each task, you will find a box which you can tick (✓) when you have completed the task; this checklist will help you to track your progress through the assessment.

Before each printout you should proof-read the document to make sure that you have followed all instructions correctly.

At the end of the assignment put **all** your printouts into the Assessment Record Folder.

UNIVERSITY *of* CAMBRIDGE
International Examinations

[Turn over

You work for a stationery company called Pens4U. Your manager has asked you to calculate the value of current orders.

1 Create a data model which looks like this: ✓ ☐ **1.1.1**

Date	Company	Description	Order Value	Discount Value	Total
	Stokers				
	Caprossi				
	Aztec Supplies				
	Kwik Mart				
	Caprossi				
	Russell Card				
	Aztec Supplies				
	Kwik Mart				
	Russell Card				
	Cooper Briggs				
	Kwik Mart				
	Stokers				

Information Table		
Discount	0.05	0.08
Number of orders		

The cells in these columns will represent:

Date   The date of the order
Company   The name of the customer
Description   The description of the stationery item ordered
Order Value   The value of each order before discount
Discount Value   The discount value given to each customer based on the order value
Total   Total amount of order after the discount is subtracted

2 In the *Information Table* name the cell containing the data *0.05* as **five** ☐ **1.1.3**

Name the cell containing the data *0.08* as **eight**

These named cells will be used to calculate the *Discount Value.*

3 In the main table in the cell under *Discount Value*, enter a formula to calculate the discount of the first order: ☐ **1.1.4**

If the *Order Value* is **greater than 125**, then multiply the *Order Value* by the named cell *eight*; if not, then multiply the *Order Value* by the named cell *five*

4 In the main table in the cell under *Total* enter a formula which subtracts the *Discount Value* from the *Order Value* ☐ **1.1.3**

5 In the *Information Table* format the cells named *five* and *eight* to display the % value and 0 decimal places, e.g. 5%. ☐ **3.1.1**

✔

6   In the *Information Table* use a function to count the number of orders   ☐ **1.1.4**
          received using the *Company* column.

7   Format the cells in the *Order Value, Discount Value, and Total* columns to   ☐ **3.1.1**
          display the *$* sign (dollar) with 2 decimal places.

8   Copy down all formulae entered in steps 3 - 4 so that at least 12 rows of data   ☐ **1.1.1**
          can be entered.

9   Set your page orientation to landscape.   ☐ **3.3.1**

10   Save the data model and print a copy of the sheet showing the formulae   ☐ **3.2.1**
          used. Make sure that the contents of all cells are visible and that the printout   **4.1.1**
          fits onto a single printed page.

11   Enter the following data into the model to test that it works correctly: ☐ **1.1.2**
                                                                                                    1.2.1

Date	Company	Description	Order Value	Discount Value	Total
15 June 2004	Stokers	Plastic Pockets	912.5		
15 June 2004	Caprossi	Assorted Pens	125		
28 June 2004	Aztec Supplies	A4 Ring Binders	375		
01 July 2004	Kwik Mart	Notebooks	150		
01 July 2004	Caprossi	Rubbers	30		
01 July 2004	Russell Card	Cases	213.75		
12 July 2004	Aztec Supplies	Lever Arch Files	337		
12 July 2004	Kwik Mart	Keyrings	148.5		
23 July 2004	Russell Card	A4 Ruled Paper	437.5		
08 August 2004	Cooper Briggs	Assorted Cards	275		
16 August 2004	Kwik Mart	Sticky Tape	80		
08 September 2004	Stokers	File Separators	375		

12   Save this data and print a copy showing the values. Make sure that the   ☐ **3.2.1**
          contents of all cells are visible and that the printout fits onto a single printed   **4.1.1**
          page.

13   Produce a printout showing only the rows where the *Company* is **equal to**   ☐ **2.1.1**
          Aztec Supplies or **Stokers** and the *Order Value* is **greater than 345**   **4.1.1**

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
Cambridge International Diploma in ICT
Standard Level

DATA ANALYSIS   **5192/B**

Optional Module: Practical Assessment

2004

**1 hour
and 15 minutes reading time**

No Additional Materials are required

READ THESE INSTRUCTIONS FIRST

Candidates are permitted **15 minutes** reading time before attempting the paper.

Make sure that your name, centre number and candidate number are shown on each printout that
you are asked to produce.

Carry out **every** instruction in each task.

Tasks are numbered on the left hand side of the page, so that you can see what to do, step by step. On
the right hand side of the page for each task, you will find a box which you can tick (✓) when you have
completed the task; this checklist will help you to track your progress through the assessment.

Before each printout you should proof-read the document to make sure that you have followed all
instructions correctly.

At the end of the assignment put **all** your printouts into the Assessment Record Folder.

This document consists of **3** printed pages.

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[Turn over

You work for a gym equipment company called Gymnastic. Your manager has asked you to calculate the value of current stock for exercise bikes and treadmills.

1   Create a data model which looks like this: ✓ ☐ **1.1.1**

Information Table		
Mark-up	0.05	0.1
Number of items	**Treadmills**	

Date	Equipment	Type	Purchase price	Mark-up price	Retail price
	Treadmill				
	Treadmill				
	Exercise bike				
	Treadmill				
	Treadmill				
	Exercise bike				
	Treadmill				
	Exercise bike				
	Treadmill				
	Treadmill				
	Exercise bike				
	Exercise bike				

The cells in these columns will represent:

Date	The date the stock arrives
Equipment	The category of the equipment
Type	Equipment Details
Purchase Price	The initial cost of each item
Mark-up Price	The value added to each item based on the Purchase price
Retail price	The retail value of stock including mark-up price

Information Table
Mark-up	The percentage added on all stock items
Number of items	Count of the number of items in stock.

2   In the *Information Table* name the cell that holds the data for *0.05* as **five**   ☐ **1.1.3**

Name the cell that holds the data *0.1* as **ten**

These named cells will be used to calculate the *Mark-up price.*

✓

3 In the main table in the cell under *Mark-up Price*, enter a formula to calculate ☐ **1.1.4**
the mark-up on the first stock item:

If the *Purchase price* is **greater than 500** then multiply the *Purchase price* by
the named cell **ten** to calculate the *Mark-up price*

If the *Purchase price* is **less than 500** then multiply the *Purchase price* by the
named cell **five** to calculate the *Mark-up price*

4 In the main table in the cell under *Retail price* enter a formula which adds the ☐ **1.1.3**
Mark-up price to the *Purchase price*

5 In the *Information Table* format the cells containing the data 0.05 and 0.1 to ☐ **3.1.1**
display the % value to 0 decimal places, e.g. 5%

6 In the *Information Table* use a function to count the number of Treadmills in ☐ **1.1.4**
stock. Place the result below the heading *Treadmills*

7 Format the cells in the *Purchase price, Mark-up price, and Retail price* ☐ **3.1.1**
columns to display the *$* sign (dollar) with 2 decimal places.

8 Copy down all formulae entered in steps 3 - 4 so that at least 12 rows of data ☐ **1.1.1**
can be entered.

9 Set your page orientation to landscape. ☐ **3.3.1**

10 Save the data model and print a copy of the sheet showing the formulae ☐ **3.2.1**
used. Make sure that the contents of all cells are visible and that the printout **4.1.1**
fits on a single printed page.

11 Enter the following data into the model to test that it works correctly: ☐ **1.1.2**
1.2.1

Date	Equipment	Type	Purchase price
June 24, 2004	Treadmill	Programmable	999
June 30, 2004	Treadmill	Pulse controlled	2250
July 6, 2004	Exercise bike	Fitness	350
July 15, 2004	Treadmill	Manual	495
July 19, 2004	Treadmill	Programmable folding	1870
July 20, 2004	Exercise bike	Recumbent	570
July 26, 2004	Treadmill	Electronic foldaway	2485
August 2, 2004	Exercise bike	Magnetic	749
August 2, 2004	Treadmill	Electronic foldaway	729
August 7, 2004	Treadmill	Programmable	3195
August 17, 2004	Exercise bike	Swing folding	599
August 22, 2004	Exercise bike	Magnetic	279

12 Save this data and print a copy showing the values. Make sure that the ☐ **3.2.1**
contents of all cells are visible and that the printout fits on a single printed **4.1.1**
page.

13 Produce a printout showing only the rows where the *Type* contains **foldaway** ☐ **2.1.1**
or **folding** **4.1.1**