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Exam A

QUESTION 1
Note: This question is part of a series of questions that use the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is the same in each question in this series.
Start of repeated scenario.
You are creating reports for a car repair company. You have four datasets in Excel spreadsheets. Four workbook queries load the datasets to a data model. A sample of the data is shown in the Data Sample exhibit. (Click the Exhibit button.)
Data Sample exhibit:

DailyRepairs

Date	WorkshopID	RepairTypeID	Hours	Revenue	
2016-10-01	1	4	2	£	432
2016-10-01	6	8	16	£	4,144
2016-10-01	3	6	12	£	564
2016-10-01	6	5	4	£	1,680
2016-10-01	5	4	12	£	1,968
2016-10-01	3	4	14	£	854
2016-10-01	2	4	15	£	3,030
2016-10-01	1	1	0	£	-

Workshops

ID	Workshop Name	Workshop Manager	Manager Since	IsLatest
1	Cambridge	Alex Hankin	2012-11-10	1
2	Bedford	Ben Miller	2015-04-22	1
3	Camden	Kari Furse	2015-08-29	1
4	Belsize	Ron Gabel	2016-02-14	1
5	Reading	Josh Edwards	2009-11-07	1
6	Kilburn	Karen Toh	2012-02-25	1
6	Kilburn	Eva Corets	2009-06-06	0

Dates

ID	Date	Month	Year	MonthID
20160101	2016-01-01	Jan '16	2016	201601
20160102	2016-01-02	Jan '16	2016	201601
20160103	2016-01-03	Jan '16	2016	201601
20160104	2016-01-04	Jan '16	2016	201601
20160105	2016-01-05	Jan '16	2016	201601
20160106	2016-01-06	Jan '16	2016	201601
20160107	2016-01-07	Jan '16	2016	201601
20160108	2016-01-08	Jan '16	2016	201601
20160109	2016-01-09	Jan '16	2016	201601

RepairTypes

ID	Repair Type
1	Engine
2	Radiator
3	Gearbox
4	Clutch
5	Brakes
6	Tires
7	Bodywork
8	Windscreen
9	Other

The data model is shown in the Data Model exhibit. (Click the Exhibit button.)
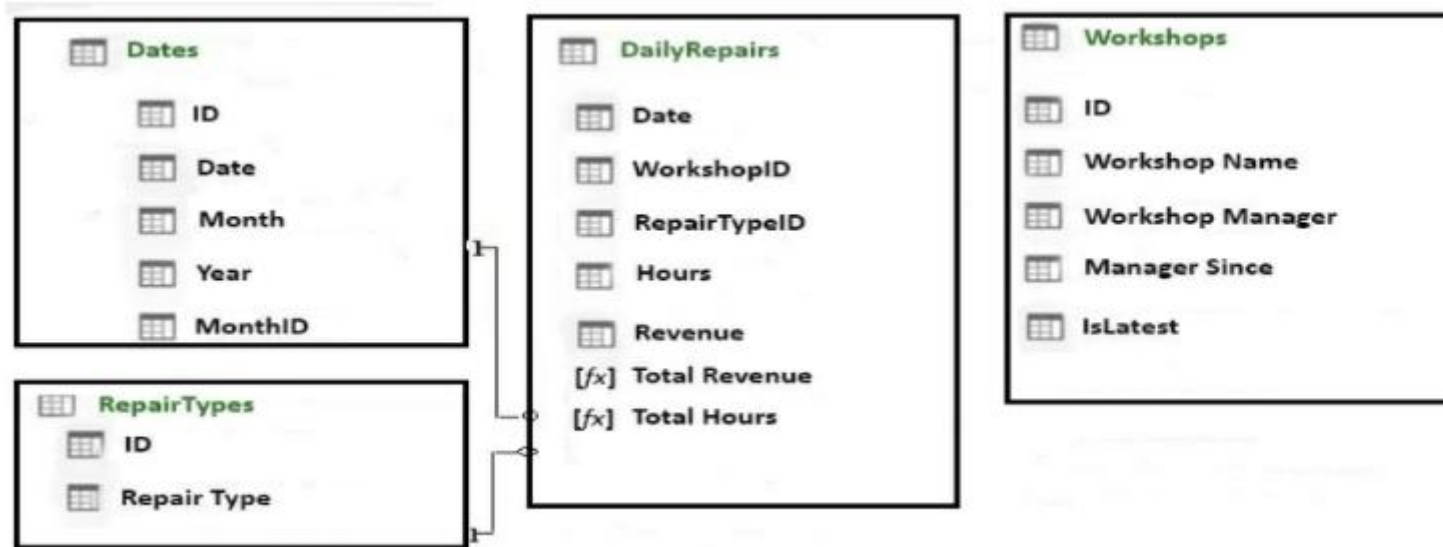
The tables in the model contain the following data:
• DailyRepairs has a log of hours and revenue for each day, workshop, and repair type. Every day, a log entry is created for each workshop, even if no hours or revenue are recorded for that day. Total Hours and Total Revenue column.
• Workshops have a list of all the workshops and the current and previous workshop managers. The format of the Workshop Manager column is always Firstname Lastname. A value of 1 in the IsLatest column indicates that the workshop manager listed in the record is the current workshop manager.
• RepairTypes has a list of all the repair types
• Dates has a list of dates from 2015 to 2018
End of repeated scenario.
You create a measure named Average Revenue Per Hour that calculates the average revenue per hour.
You need to populate a cell in a worksheet to display the Average Revenue Per Hour where Repair Type is Engine. Which Excel formula should you use?

A. =CUBEMEMBER("ThisWorkbookDataModel", "[DailyRepairs]. [Avg Revenue Per Hour]", CUBEMEMBER ("ThisWorkbookDataModel", "[Dimensions]. [Repair Type]. [Engine]"))

B. =CUBEVALUE("ThisWorkbookDataModel", "[Measures]. [Avg Revenue Per Hour]", CUBEMEMBER ("ThisWorkbookDataModel", "[Dimensions]. [Repair Type]. [Engine]"))

C. =CUBEMEMBER("ThisWorkbookDataModel", "[DailyRepairs]. [Avg Revenue Per Hour]", CUBEMEMBER ("ThisWorkbookDataModel", "[RepairTypes]. [Repair Type]. [Engine]"))

D. =CUBEVALUE("ThisWorkbookDataModel", "[Measures]. [Avg Revenue Per Hour]", CUBEMEMBER ("ThisWorkbookDataModel", "[RepairTypes]. [Repair Type]. [Engine]"))

A. Option A
B. Option B
C. Option C
D. Option D

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
References:
https://support.office.com/en-us/article/cubevalue-function-8733da24-26dl-4e34-9b3a-84a8f00dcbe0
https://www.tutorialspoint.com/advanced_excel_functions/advanced_excel_cube_cubemember_function.htm

QUESTION 2
You have the following table.

Month Number	Month Name
1	January
2	February
3	March
4	April
5	May
6	June
7	July
8	August
9	September
10	October
11	November
12	December

You plan to use [Month Name] as the axis in a PivotChart.
You need to ensure that whenever [Month Name] is used in a chart, the months are displayed chronologically by default. What should you do?

A. Add a calculated column named [ID] that uses the [Month Name]&[Month Number] DAX formula
B. Change the Data Type of [Month Name] to Date
C. Sort the [Month Number] column by [Month Name]
D. Sort the [Month Name] column by [Month Number]

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
References: https://gasperkamensek.wordpress.com/2013/04/16/sorting-months-chronologically-and-not-alphabetically-in-a-pivot-table-report-based on-power-pivot-data/

QUESTION 3
You have multiple workbook queries that load data from tables in Microsoft Azure SQL Database to a Power Pivot data model.
You discover that new rows were added to the tables in Azure SQL Database.
You need to ensure that the workbook has the new data.
What should you do?

A. From the Data tab, click Refresh All

B. From the Power Pivot tab, click Update All

C. Close and open the workbook

D. Select a cell in the worksheet and press F5

Correct Answer: C
Section: (none)
Explanation
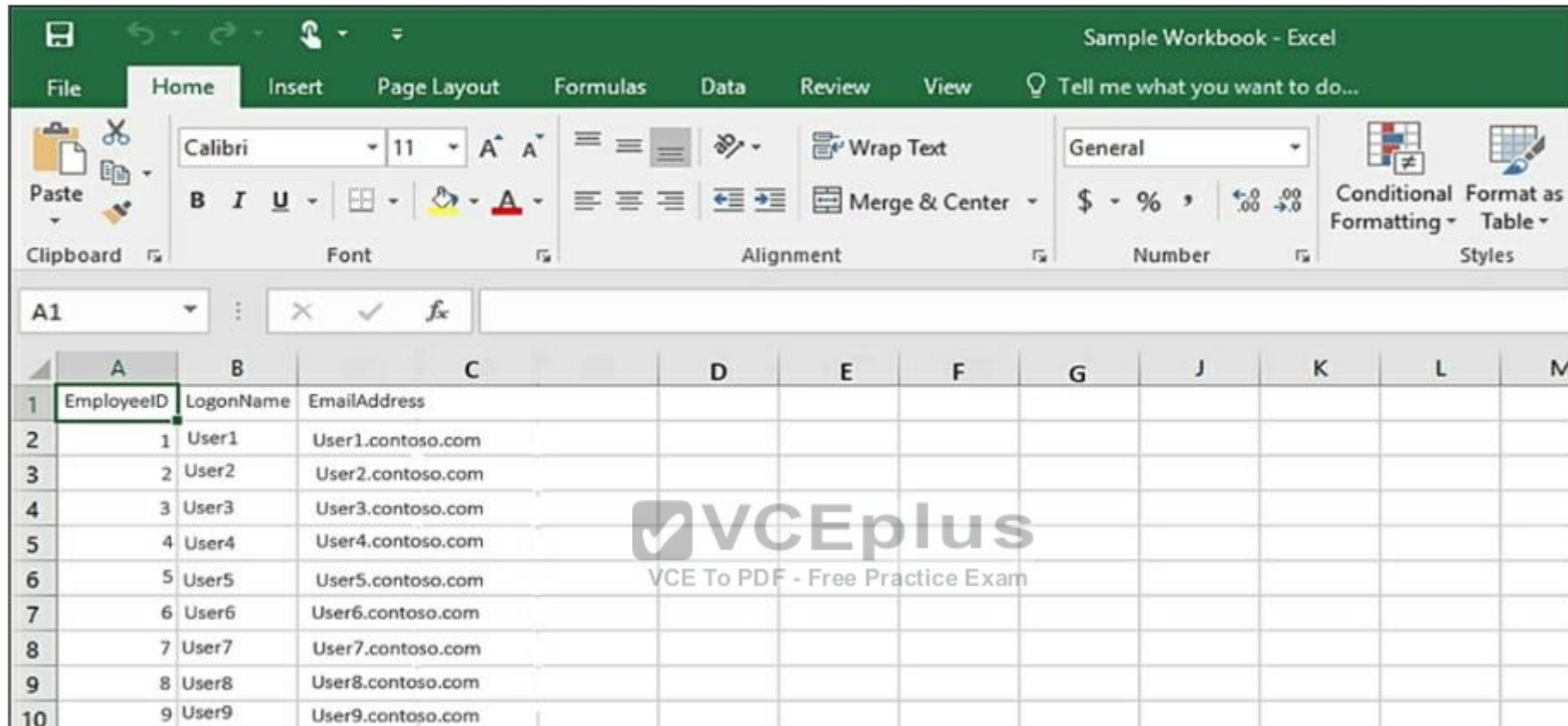
Explanation/Reference:
References: https://support.office.com/en-us/article/refresh-an-external-data-connection-in-excel-2016-for-windows-l 524175f-777a-48fc-8fc7- c8514b984440

QUESTION 4
You have the Excel worksheet shown in the exhibit. (Click the Exhibit button.)
Exhibit:

You need to transform the data by using Query Editor.
What should you do first?

A. From the Data tab, click Flash Fill
B. From the Insert tab, click Store
C. From the Data tab, click From Table/Range
D. From the Data tab, click Consolidate

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
References: https://support.office.com/en-us/article/unified-get-transform-experience-ad78befd-eb1c-4ea7-a55d-79d1 d67cf9b3
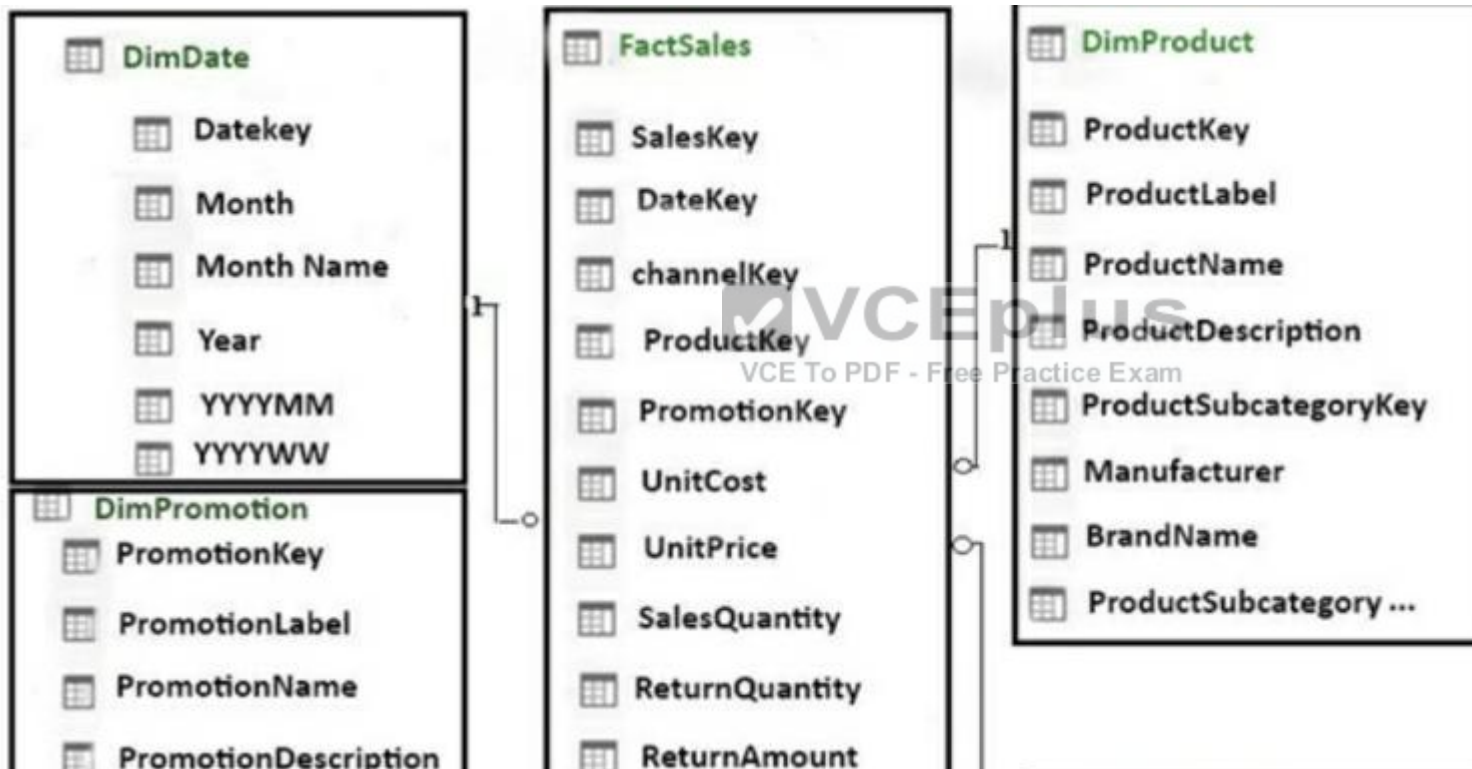
QUESTION 5
Note: This question is part of a series of questions that use the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is the same in each question in this series.
Start of repeated scenario.
You have six workbook queries that each extracts a table from a Microsoft Azure SQL database. The tables are loaded to the data model, but the data is not loaded to any worksheets. The data model is shown in the Data Model exhibit. (Click the Exhibit button.)
Exhibit:

	DiscountPercent
	PromotionType
	PromotionCategory
	StartDate
	EndDate

	DiscountQuantity
	DiscountAmount
	TotalCost
	SalesAmount

DimChannel
	ChannelKey
	ChannelLabel
	ChannelName
	ChannelDescription

DimProductSubcategory
	ProductSubcategoryKey
	ProductSubcategoryLabel
	ProductSubcategoryName
	ProductSubcategoryDescription
	ProductCategoryKey
	ETLLoadID
	LoadDate
	UpdateDate
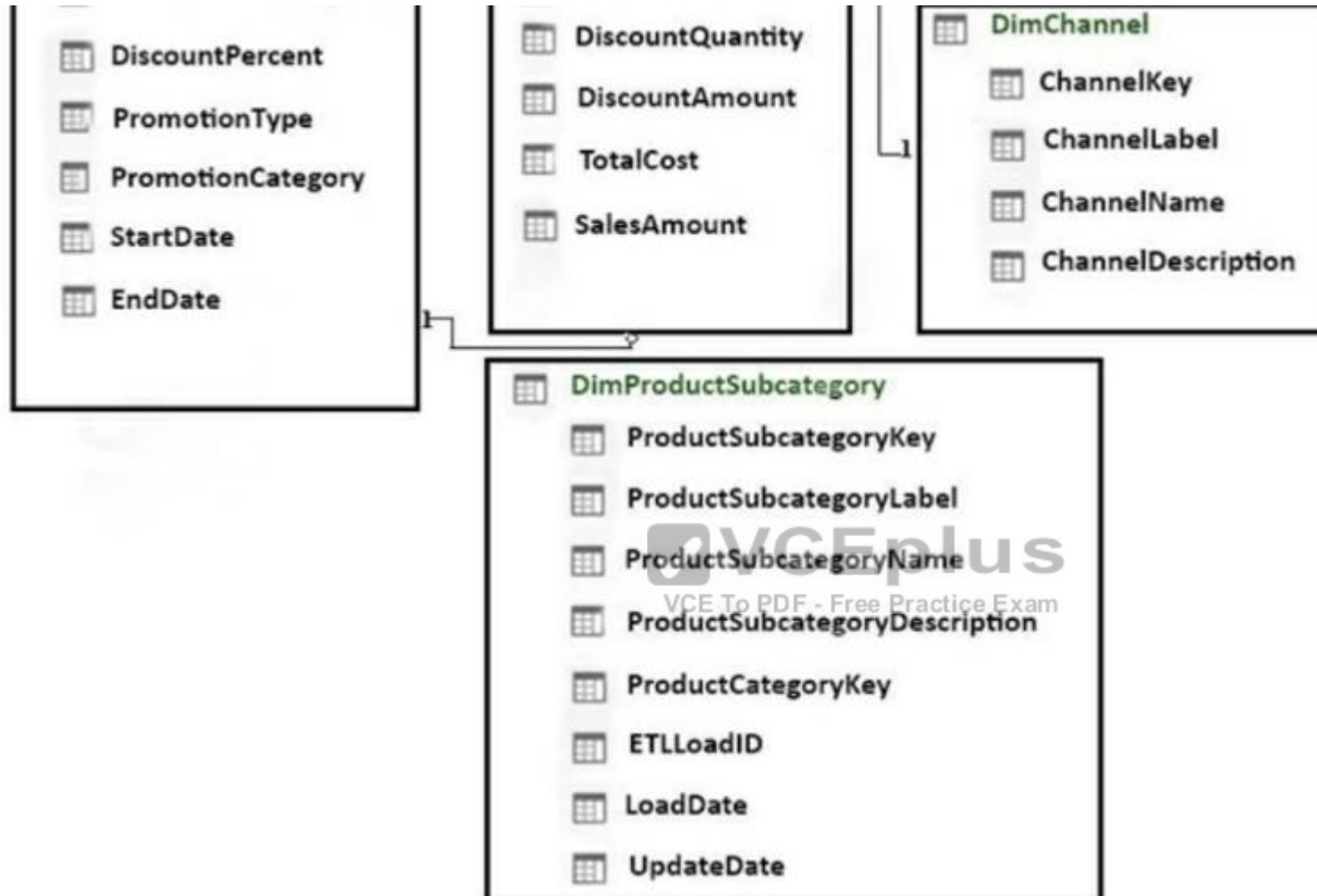
Your company has 100 product subcategories and more than 10,000 products.

End of repeated scenario.

You have a PivotChart that uses Manufacturer as the axis and the sum of SalesAmount as the values.

You need to ensure that only the top 10 manufacturers appear in the chart.

What should you do?

A. Configure the Value Filters

B. Summarize the SaleAmount field by Max
C. Change the format of the SalesAmount field
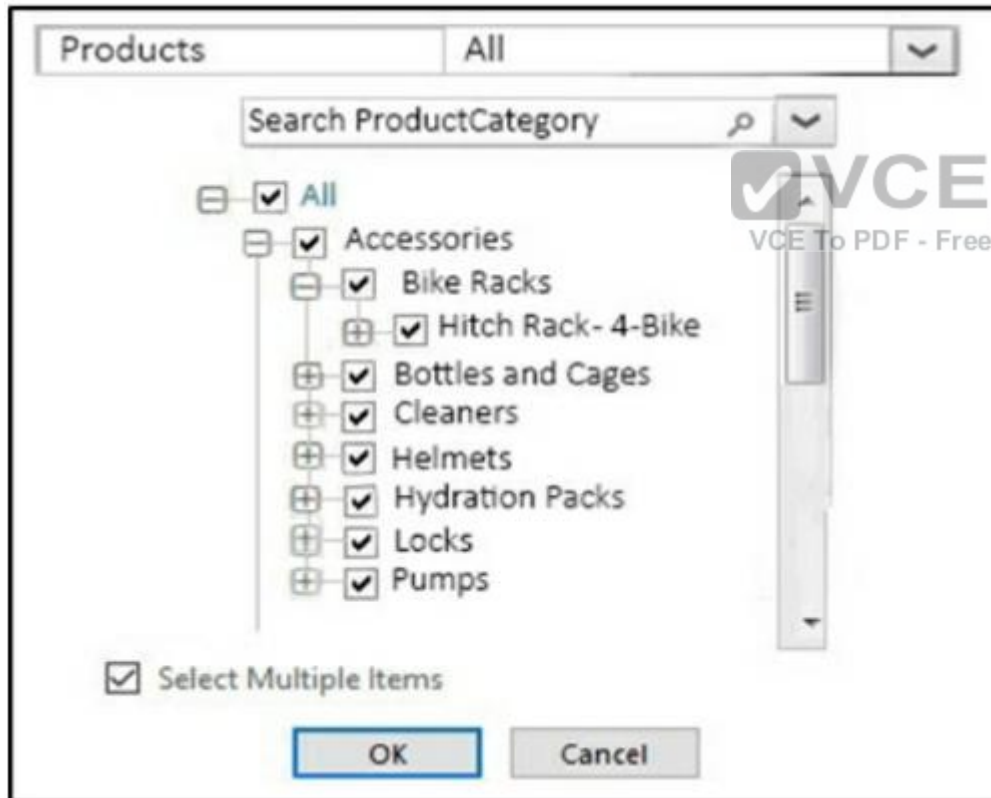D. Create a calculated column

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
References: https://www.exceldashboardtemplates.com/how-to-easily-make-a-dynamic-pivottable-pie-chart-for-the-top-x-values/

QUESTION 6
You need to create a PivotChart that has a filter as shown in the following exhibit.

What should you do first?

A. From the model, create a measure
B. From Query Editor, create a function
C. From the model, create a hierarchy
D. From Query Editor, create a parameter

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
References: https://support.office.com/en-us/article/measures-in-power-pivot-86484821-a324-4da3-803b-82fd2e5033f4

QUESTION 7
You have an Excel workbook query that loads data to a worksheet and the data model.
You need to ensure that the data is refreshed whenever you open the workbook.
What should you do?

A. From the File tab, click Options, and then modify the General options
B. From the Power Pivot model, modify the Table Behavior setting
C. From the File tab, click Options, and then modify the Data options
D. Run the Data tab, click Queries & Connections, and then edit the properties of the query

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
References: https://support.office.com/en-us/article/refresh-connected-imported-data-e76a38b0-e2el-400b-9f2f-c87b9b18c092

QUESTION 8
You open C:\Data\Data.xlsx in Excel.
When you attempt to publish the file to Microsoft Power BI, you receive the following error message: "We couldn't publish to Power BI. Make sure your workbook
is saved as an Excel file (xlsx or .xlsm) and is not password protected."
You need to ensure that you can publish the file to Power BI.
What should you do first?

A. Decrypt the workbook

B. Copy the file to a network share
C. Add a digital signature to the workbook
D. Disable iterative calculation for the workbook

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
References: https://docs.microsoft.com/en-us/power-bi/service-publish-from-excel

QUESTION 9
You have an Excel workbook that contains two tables named User and Activity.
You plan to publish the workbook to the Power BI service.
Users will use Q&A in the Power BI service to perform natural language queries.
You need to ensure that the users can query the term employee and receive results from the User table.
What should you do before you publish to Power BI?

A. From PowerPivot Settings, modify the Language options
B. From PowerPivot Settings, modify the Categorization options
C. From the Power Pivot model, edit the Synonyms
D. From Workbook Connections, add a connection

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
References: http://blog.pragmaticworks.com/optimizing-power-bi-qa-with-synonyms-phrasing-using-cloud-modeling

QUESTION 10
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You have a Power Pivot model that contains the following tables.

Table name	Column name
Products	ProductID
	ProductName
	Price
	ProductCategoryID
ProductCategory	ProductCategoryID
	ProductCategoryName

There is a relationship between Products and ProductCategory.
You need to create a hierarchy in Products that contains ProductCategoryName and ProductName
Solution; You create a measure that uses the ISCROSSFILTERED DAX function
Does this meet the goal?

A. Yes

B. No

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 11
You have two queries named Client and Invoices. A sample of Client is shown in the following table

ClientID	ClientName
1	Client1
2	Client2
3	Client3
4	Client4

A sample of Invoices is shown in the following table

ClientID	ClientName	InvoiceID	ClientID.1	InvoiceDate	InvoiceAmount
1	Client1	1	1	07-07-2017	15.99
1	Client1	2	1	07-09-2017	20.88
2	Client2	3	2	08-17-2017	5.03
3	Client3	4	3	08-24-2017	8.98
4	Client4	*null*	*null*	*null*	*null*

Which join kind should you use?

A. Left Outer
B. Left Anti
C. Inner
D. Right Anti

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 12
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You have an Excel workbook that contains a table named Table1. A sample of the data in Table1 is shown in the following table.

ProductID	ProductName	ProductCategory	ProductSubCategory	Price
1	Product1	Category1	Subcategory1	10.22
2	Product2	Category1	Subcategory1	10.44
3	Product3	Category1	Subcategory1	10.33
4	Product4	Category1	Subcategory2	11.19
5	Product5	Category1	Subcategory2	11.19
6	Product6	Category2	Subcategory3	10.15
7	Product7	Category2	Subcategory3	10.77
8	Product8	Category2	Subcategory3	10.55
9	Product9	Category2	Subcategory4	10.19
10	Product10	Category2	Subcategory4	10.88

You need to create a PivotTable in PowerPivot as shown in the exhibit (Click the Exhibit button.)

Row Labels	Sum of Price
Category1	
Subcategory1	
Product1	10.22
Product2	10.44
Product3	10.33
Subcategory1	
Total	30.99
Subcategory2	
Product4	11.19
Product5	11.19
Subcategory2	
Total	22.38
Category1 Total	53.37
Category2	
Subcategory3	
Product6	10.15
Product7	10.77
Product8	10.55
Subcategory3	
Total	31,47
Subcategory4	
Product10	10.88
Product9	10.19
Subcategory4	
Total	21.07
Category2 Total	52.54
Grand Total	105.91

Solution: You create a hierarchy named Products that contains ProductCategory, ProductSubcategory, and ProductName. You add a PivotTable. You drag Products to the Rows field. You drag Price to the Values field.
Does this meet the goal?

A. Yes

B. No

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 13
You have an Excel spreadsheet that contains a PivotChart.
You install Microsoft Power BI Publisher for Excel.
You need to add a tile for the PivotChart to a Power BI dashboard.
What should you do?

A. From powerbi.com, click Get apps
B. From powerbi.com, upload the Excel workbook
C. From the File menu in Excel, click Publish
D. From the Power BI tab in Excel, click Pin

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
References: https://docs.microsoft.com/en-us/power-bi/service-publish-from-excel

QUESTION 14
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You have a Power Pivot model that contains the following tables.

Table name	Column name
Products	ProductID
	ProductName
	Price
	ProductCategoryID
ProductCategory	ProductCategoryID
	ProductCategoryName

There is a relationship between Products and ProductCategory.
You need to create a hierarchy in Products that contains ProductCategoryName and ProductName Solution: You create a calculated column that uses the RELATED DAX function Does this meet the goal?

A. Yes

B. No

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
References:
https://www.mssqltips.com/sqlservertip/2900/creating-hierarchies-in-powerpivot-for-excel/
https://msdn.microsoft.com/en-us/library/ee634202.aspx

QUESTION 15
You have a table in a Power Pivot model that is loaded from a Microsoft SQL Server database.
The source table has four columns named ID, Price, Quantity, and Total. Total is derived by multiplying Price and Quantity. ID is a unique row identifier.
You need to minimize the amount of memory used to load the model. The solution must ensure that you can create visualizations based on Price, Quantity, and Total.
What should you do?

A. Replace the Total column by using a measure

B. Replace the Total column by using a calculated column

C. From Query Editor, remove duplicate rows from the table

D. Move the Total column to a lookup table

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
References:
https://support.office.com/en-us/article/create-a-memory-efficient-data-model-using-excel-and-the-power-pivot-add- in-951c73a9-21 c4-46ab-9f5e-14a2833b6a70#_toc373850959

QUESTION 16
You have an Excel workbook that has the following two workbook queries:

•A query named Consultants that retrieves a table named Consultants_Contact from a Microsoft SQL Server database
•A query named Employees that retrieves a table named Employee_Contact from a Microsoft Azure SQL database
Both tables have the same columns.
You need to combine all the data from Consultants and Employees into one table.
Which command should you use?

A. Append Queries

B. Combine Binaries

C. Transpose

D. Merge Queries

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
References: https://support.office.com/en-us/article/merge-queries-power-query-fd157620-5470-4c0f-b132-7ca2616d17f9

QUESTION 17
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
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You have an Excel workbook that contains a table named Table1. A sample of the data in Table1 is shown in the following table.

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3	Product3	Category1	Subcategory1	10.33
4	Product4	Category1	Subcategory2	11.19
5	Product5	Category1	Subcategory2	11.19
6	Product6	Category2	Subcategory3	10.15
7	Product7	Category2	Subcategory3	10.77
8	Product8	Category2	Subcategory3	10.55
9	Product9	Category2	Subcategory4	10.19
10	Product10	Category2	Subcategory4	10.88

You need to create a PivotTable in PowerPivot as shown in the exhibit. (Click the Exhibit button.)

Row Labels	Sum of Price
Category1	
Subcategory1	
Product1	10.22
Product2	10.44
Product3	10.33
Subcategory1	
Total	**30.99**
Subcategory2	
Product4	11.19
Product5	11.19
Subcategory2	
Total	**22.38**
Category1 Total	**53.37**
Category2	
Subcategory3	
Product6	10.15
Product7	10.77
Product8	10.55
Subcategory3	
Total	**31,47**
Subcategory4	
Product10	10.88
Product9	10.19
Subcategory4	
Total	**21.07**
Category2 Total	**52.54**
Grand Total	**105.91**

Solution: You add a PivotTable. You drag ProductCategory, ProductSubCategory, and ProductName to the Rows field. You drag Price to the Values field
Does this meet the goal?

A. Yes

B. No

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 18
You have a table that contains data relating to exam candidates and their associated exam scores.
You need to visualize the exam data by separating the data into quartiles. The visualization must display the mean score and must identify any outliers
Which type of chart should you use?

A. line

B. pie

C. box and whisker

D. histogram

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
References: https://support.office.com/en-us/article/create-a-box-and-whisker-chart-62f4219f-db4b-4754-aca8-4743f6190f0d

QUESTION 19
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You have a Power Pivot model that contains the following tables.

Table name	Column name
Products	ProductID
	ProductName
	Price
	ProductCategoryID
ProductCategory	ProductCategoryID
	ProductCategoryName

There is a relationship between Products and ProductCategory.
You need to create a hierarchy in Products that contains ProductCategoryName and ProductName

Solution: You create a measure that uses the USERELATIONSHIP DAX function.
Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 20
You have a workbook query that loads the following table

ID	Key	Value
1	Student	Bob
1	Class	2
1	Score	80
2	Student	Sam
2	Class	1
2	Score	80
3	Student	Dave
3	Class	1
3	Score	80

You pivot the table on the Key column by using Value as the values column, and you receive the results shown in the following table.

ID	Student	Class	Score
1	1	1	1
2	1	1	1
3	1	1	1

You need to ensure that the data appears as shown in the following table.

ID	Student	Class	Score
1	Bob	2	80
2	Sam	1	80
3	Dave	1	80

What should you do?

A. Change the Aggregate Value Function of the pivot
B. Change the Data Type of the Value column
C. Select the ID column, and then click Unpivot Columns
D. Delete the Pivoted Column step. Select the Key column, and then click Unpivot Columns

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
References: https://support.office.com/en-us/article/unpivot-columns-power-query-0f7bad4b-9ea1-49c1-9d95-f588221c7098

QUESTION 21
You have 20 workbook queries that load 20 CSV files to a local computer.
You plan to send the workbook and the 20 CSV files to several users. The users will store the files in various locations
You need to ensure that the users can change the path to the CSV files in the queries as quickly as possible.
What should you do from Query Editor?

A. Append all the queries. Edit the source of the first query
B. Merge all the queries. Edit the source of the first query
C. For each query, create a new query that uses a reference. Modify the source of each new query
D. Create a parameter. Modify the source of each query to use the parameter

Correct Answer: D