70-779.46q

Number: 70-779
Passing Score: 800
Time Limit: 120 min

70-779

Analyzing and Visualizing Data with Microsoft Excel

Exam A

QUESTION 1

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 2

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 3
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:

Your company has 100 product subcategories and more than 10,000 products.

End of repeated scenario.

You need to create a simplified view of the workbook for some users. The simplified view must only display data from FactSales, DimProduct, and DimDate.

What should you do in the data model?

A. Click **Hide from Client Tools** for all the tables except FactSales, DimProduct, and DimDate
B. Add the columns from FactSales, DimProduct, and DimDate to the Default Field Set
C. Create a new perspective
D. Modify the Table behavior settings for FactSales, DimProduct, and DimDate

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
References: https://support.office.com/en-us/article/hide-columns-and-tables-in-power-pivot-ddf5b1f2-2ed2-4bdb-8f78-6f94503ca87a

QUESTION 4
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 5
You have a KPI named Goal that calculates the sales from the previous year and multiplies the sales by 1.1.

You need to modify Goal to multiply the sales from the previous year by 1.15.

What should you do?

A. From Power Pivot, modify the measure
B. From Power Pivot, create a new calculated column, and then modify the KPI
C. From the properties of the KPI, modify the absolute value
D. From the properties of the KPI, modify the KPI base field

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
References: https://support.office.com/en-us/article/key-performance-indicators-kpis-in-power-view-230d7f15-731e-47a5-9938-fa0f02e6b676#__toc351738129

QUESTION 6
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 7
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 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
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

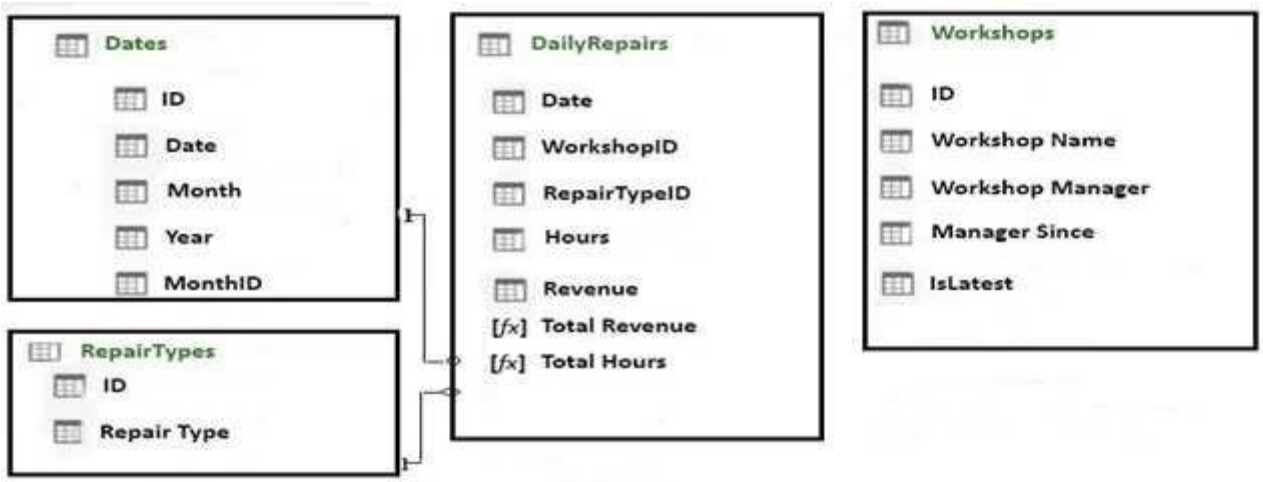
Dates

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.

When you attempt to create a relationship between DailyRepairs and Workshops, Power Pivot generates the following error message: “The relationship cannot be created because each column contains duplicate values. Select at least one column that contains only unique values”.

You need to ensure that you can create a valid relationship between the tables.

What should you do?

A. In the Power Pivot model, change the data type for Workshop[ID] to **General**
B. In the workbook query for Workshops, add an index column

C. In the Power Pivot model, change the Table Behavior setting for Workshops
D. In the workbook query for Workshops, filter [IsLatest] to equal 1

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
References: https://msdn.microsoft.com/en-us/library/hh560544(v=sql.110).aspx

QUESTION 10
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
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2016-10-01	3	6	12	£ 564
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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

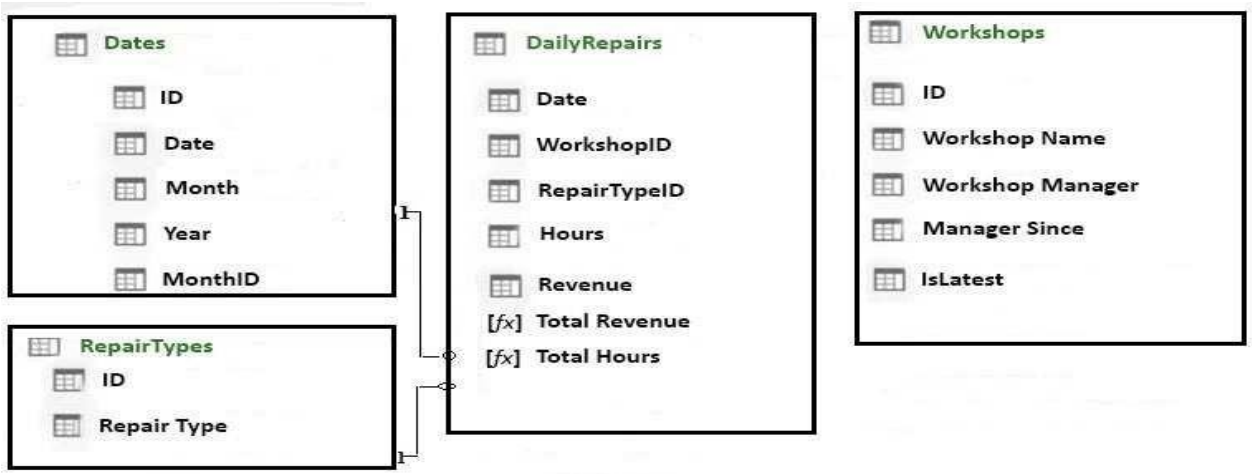
Dates

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]"))

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
References:
https://support.office.com/en-us/article/cubevalue-function-8733da24-26d1-4e34-9b3a-84a8f00dcbe0
https://www.tutorialspoint.com/advanced_excel_functions/advanced_excel_cube_cubemember_function.htm

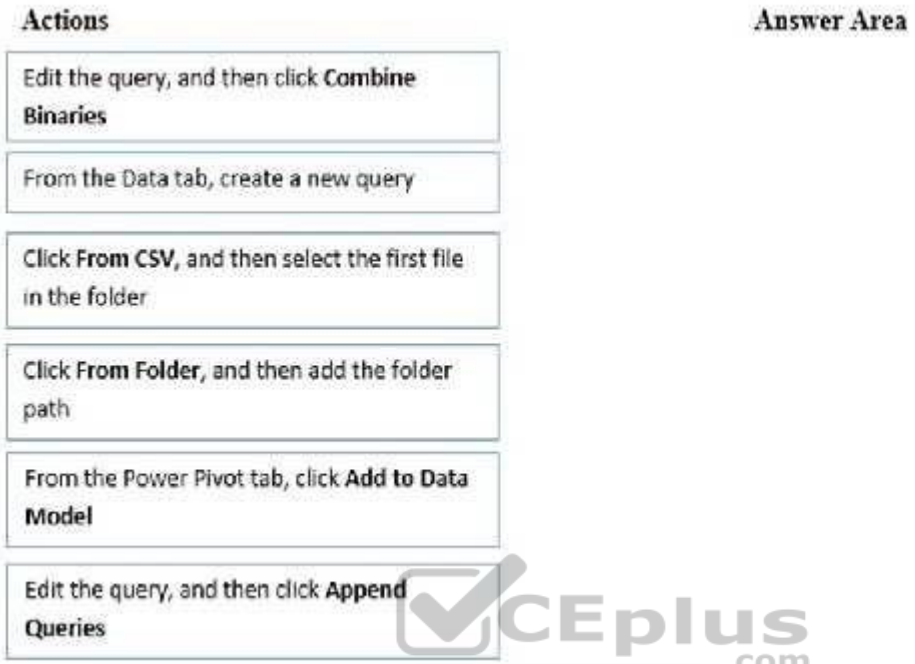
QUESTION 11
DRAG DROP

You have 12 sales reports stored in a folder as CSV files. Each report represents one month of sales data for a year. The reports have the same structure.

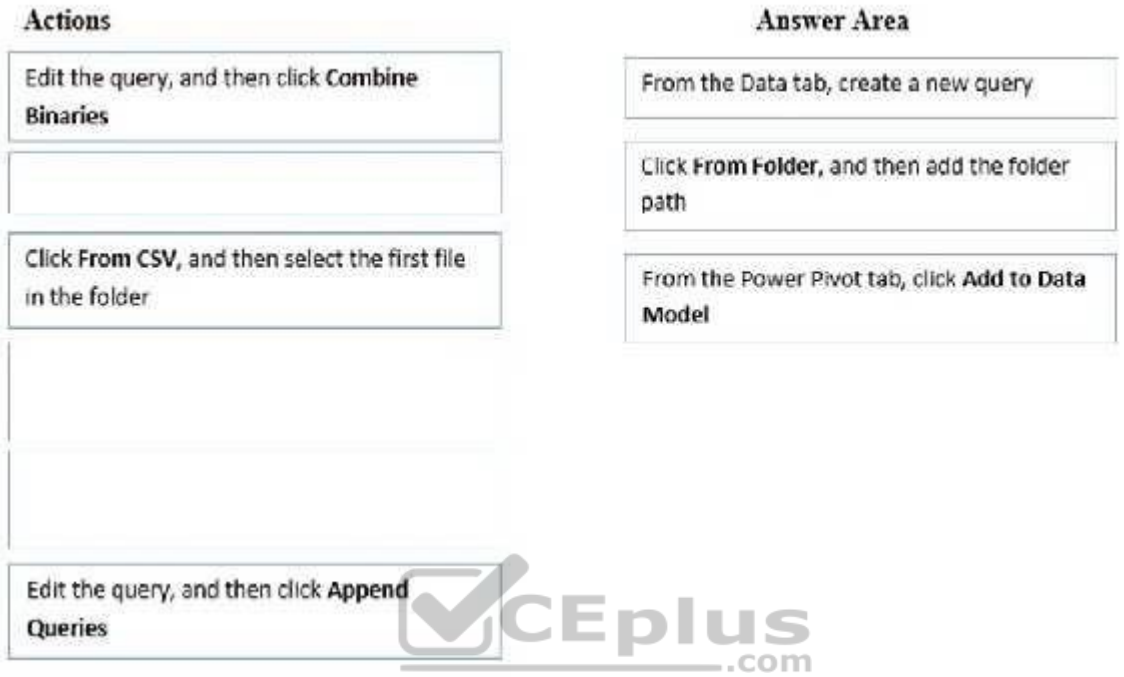
You need to analyze the entire year of sales data.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:



Correct Answer:

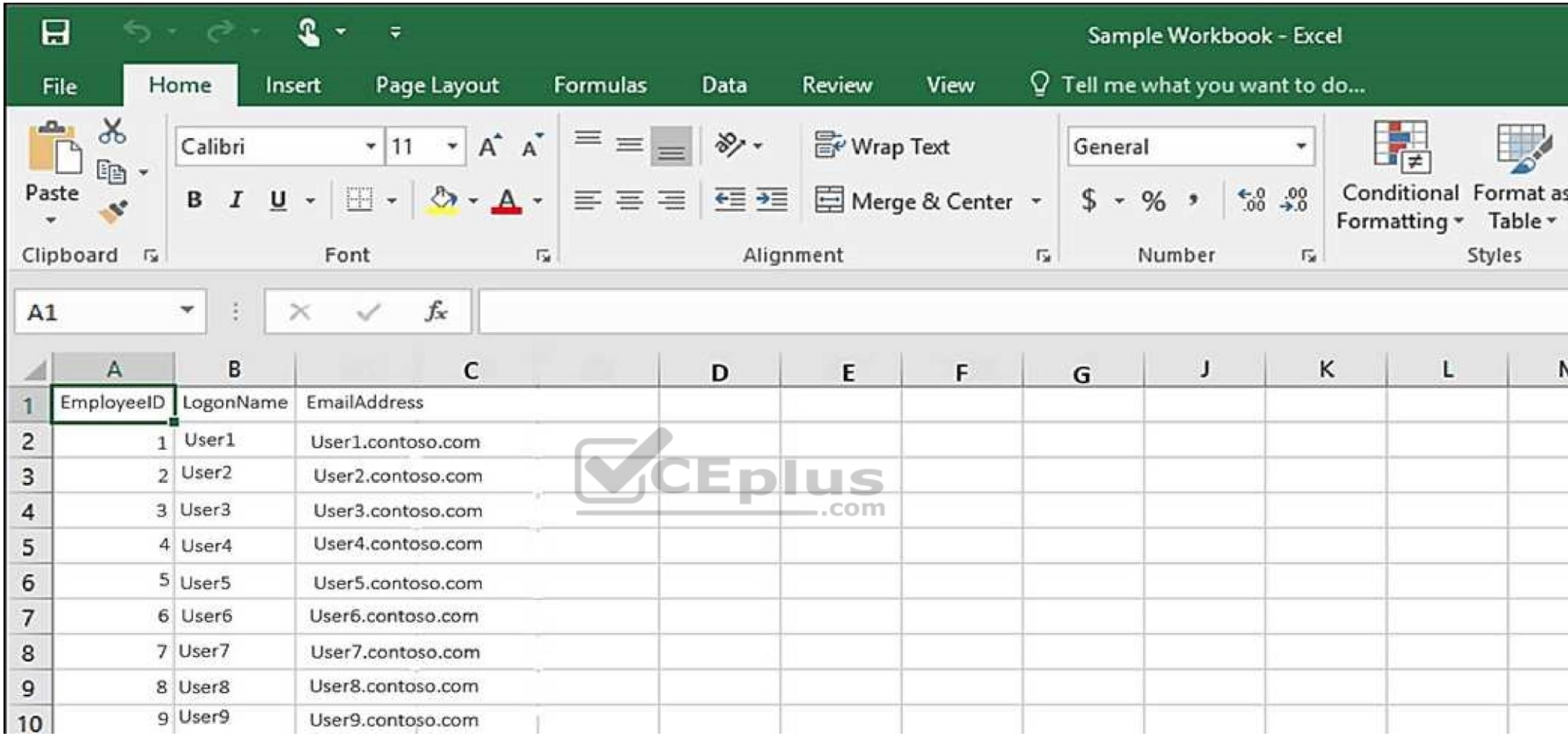


Section: (none)
Explanation

Explanation/Reference:
References:
https://powerpivotpro.com/2017/01/import-csv-files-folder-filenames-excel/ https://www.masterdataanalysis.com/ms-excel/import-csv-files-folder-excel/ https://support.office.com/en-us/article/create-a-data-model-in-excel-87e7a54c-87dc-488e-9410-5c75dbcb0f7b

QUESTION 12
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-79d1d67cf9b3

QUESTION 13
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 14
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
Section: (none)
Explanation

Explanation/Reference:
References: https://www.howtoexcel.org/power-query/how-to-parameterize-your-power-query/

QUESTION 15
You create an Excel workbook named SalesResults.xlsx. You create a workbook query that connects to a Microsoft SQL Server database and loads data to the data model. You create a PivotTable and a PivotChart.

You plan to share SalesResult.xlsx to several users outside of your organization.

You need to ensure that the users can see the PivotTable and the PivotChart when they open the file. The data in the model must be removed.

What should you do?

A. Modify the source of the query
B. Save the workbook as an Excel Binary Workbook (.xlsb)
C. From Query Editor, open the Data Source and delete the credentials
D. Run the Document Inspector

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
References: https://support.office.com/en-us/article/data-source-settings-power-query-9f24a631-f7eb-4729-88dd-6a4921380ca9

QUESTION 16
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-e2e1-400b-9f2f-c87b9b18c092

QUESTION 17
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.

InvoiceID	ClientID	InvoiceDate	InvoiceAmount
1	1	07-07-2017	15.99
2	1	07-09-2017	20.88
3	2	08-17-2017	5.03
4	3	08-24-2017	8.98

You need to create a new table that has the following information.

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 18
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

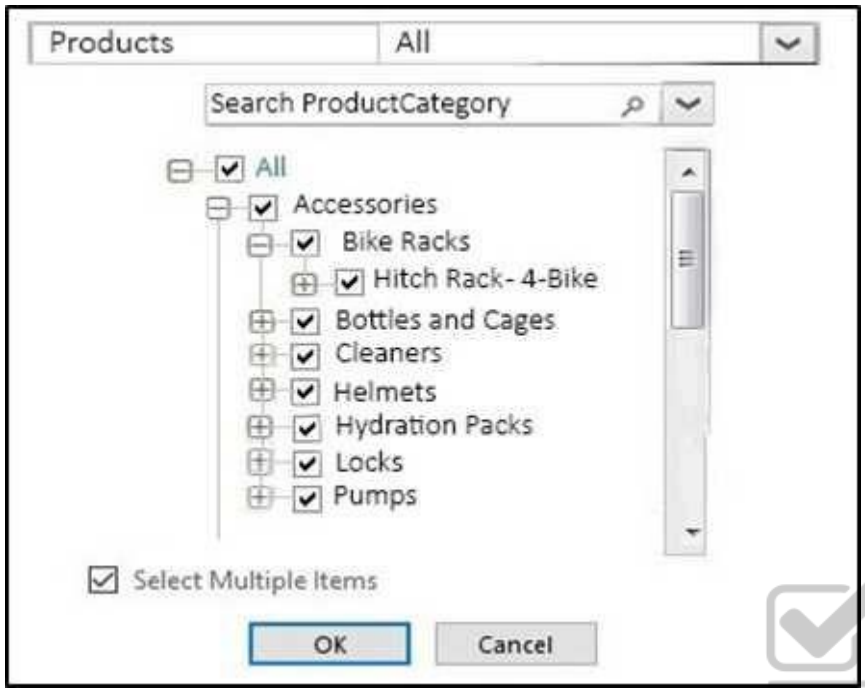
What should you do?

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 19
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

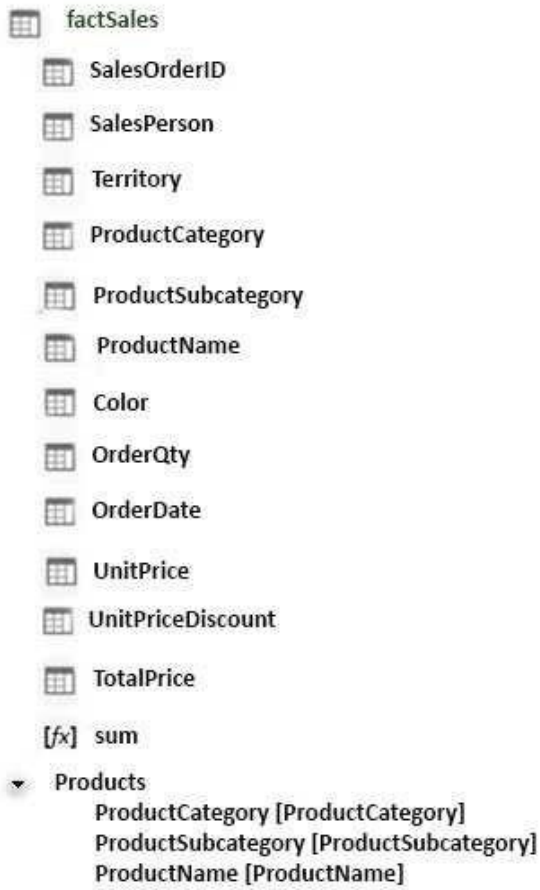
Correct Answer: A
Section: (none)
Explanation

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

QUESTION 20

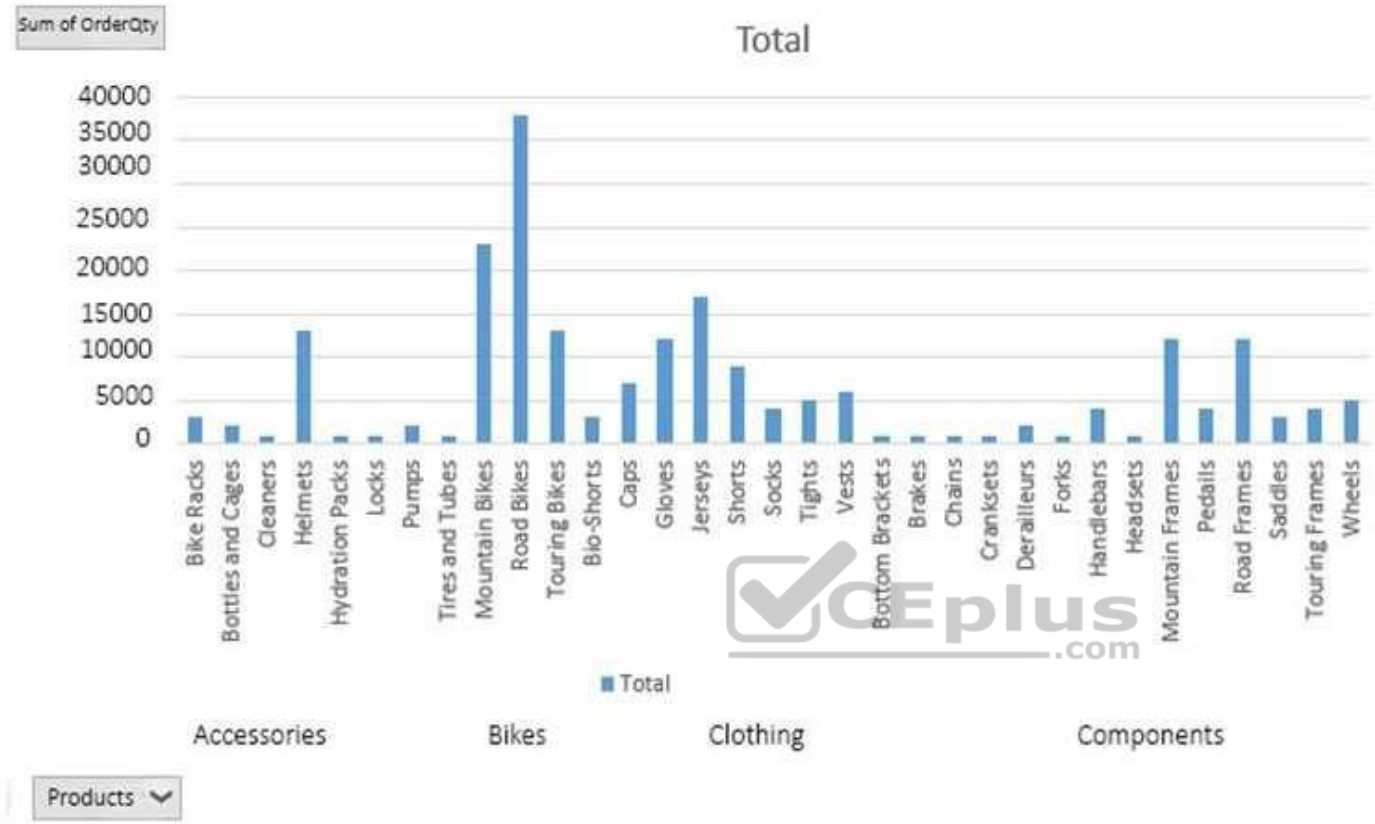
You have the data model shown in the **Data Model** exhibit. (Click the **Exhibit** button.)

Data Model exhibit:



You have the PivotChart shown in the **Pivot Chart** exhibit. (Click the **Exhibit** button.)

Pivot Chart exhibit:



You need to change the current view of the PivotChart to display ProductCategory only.

What should you do?

A. Right-click a bar in the PivotChart and click **Expand Entire Field**
B. Right-click the PivotChart and click **Reset to Match Style**
C. Click the + buttonD. Click the – button

Correct Answer: A

Section: (none)
Explanation

Explanation/Reference:
References: https://support.office.com/en-us/article/expand-collapse-or-show-details-in-a-pivottable-or-pivotchart-d70d7e70-d230-4d45-81db-1f5e39bcb394

QUESTION 21
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-951c73a9-21c4-46ab-9f5e14a2833b6a70#__toc373850959

QUESTION 22
You add two tables named Date and Invoices to a data model. Invoices contains a column named InvoiceDate that has a data Type of Date. Date contains a column named DateID that has a Data Type of Whole Number. DateID is in the format of YYYYMMDD.

You need to create a relationship between Date and Invoices.

What should you do first?

A. Change the Data Type of InvoiceDate and DateID to **Text**

B. Create a calculated column in Invoices that uses the `FORMAT` DAX function

C. Change the Data Type of DateID to **Date**

D. Create a measure in Invoices that uses the `FORMAT` DAX function

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
References: https://support.office.com/en-us/article/data-types-in-data-models-e2388f62-6122-4e2b-bcad-053e3da9ba90?ui=en-US&rs=en-US&ad=US#__toc319430522

QUESTION 23
HOTSPOT

You have a table named Date that contains the following data.

DateKey (Whole Number)	FullAlternateDateKey (Date)	MonthName (Text)
20050101	1/1/05	January
20050102	1/2/05	January
20050103	1/3/05	January
20050104	1/4/05	January

You have a table named Sales that contains the following data.

SalesOrderID (Whole Number)	OrderDate (Date)	PurchaseOrderNumber (Text)	AccountNumber (Text)
43659	5/31/11 12:00 AM	PO522145787	10-4020-000676
43660	5/31/11 12:00 AM	PO18850127500	10-4020-000117
43661	5/31/11 12:00 AM	PO18473189620	10-4020-000442
43662	5/31/11 12:00 AM	PO18444174044	10-4020-000227

You plan to create a PivotCharts that will be sliced by MonthName.

You need to create a relationship between Sales and Date.

Which columns should you use to create the relationship? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Correct Answer:

Answer Area

Section: (none)
Explanation

Explanation/Reference:
References: https://support.office.com/en-us/article/create-a-relationship-between-tables-in-excel-fe1b6be7-1d85-4add-a629-8a3848820be3

QUESTION 24
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 two Microsoft SQL Server database servers named Production1 and Test1. Production1 contains the same tables as Test1, but only a subset of the data.

You add Test1 as a data source, and you select 10 tables. You configure several transformations.

You need to connect the model to the tables in Production1. The solution must maintain the existing transformations.

Solution: From Query Editor, you configure the Data source settings.

Does this meet the goal?

A. Yes
B. No

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 25
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 two Microsoft SQL Server database servers named Production1 and Test1. Production1 contains the same tables as Test1, but only a subset of the data.

You add Test1 as a data source, and you select 10 tables. You configure several transformations.

You need to connect the model to the tables in Production1. The solution must maintain the existing transformations.

Solution: From Query Editor, you edit the source of each table query.

Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section: (none)
Explanation
Explanation/Reference:

QUESTION 26
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 two Microsoft SQL Server database servers named Production1 and Test1. Production1 contains the same tables as Test1, but only a subset of the data.

You add Test1 as a data source, and you select 10 tables. You configure several transformations.

You need to connect the model to the tables in Production1. The solution must maintain the existing transformations.

Solution: You create a new connection to Production1, and then you import the tables.

Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 27
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 query named Query1 that retrieves the user information from two Excel files. One of the Excel files does not contain location information. A sample of the data retrieved by the query is shown in the following table.

UserName	UserId	Location
User1	1001	*null*
User1	1001	Seattle
User2	1002	*null*
User2	1002	Seattle
User3	1003	Montreal
User4	1004	*null*

You need to ensure that values in UserName are unique. The solution must ensure that the locations are retained. A sample of desired output is shown in the following table.

UserName	UserId	Location
User1	1001	Seattle
User2	1002	Seattle
User3	1003	Montreal
User4	1004	*null*
User5	1005	*null*

Solution: You select the UserName and Location columns, and then you click **Keep Duplicates**.

Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 28
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 query named Query1 that retrieves the user information from two Excel files. One of the Excel files does not contain location information. A sample of the data retrieved by the query is shown in the following table.

UserName	UserId	Location
User1	1001	*null*
User1	1001	Seattle
User2	1002	*null*
User2	1002	Seattle
User3	1003	Montreal
User4	1004	*null*

You need to ensure that values in UserName are unique. The solution must ensure that the locations are retained. A sample of desired output is shown in the following table.

UserName	UserId	Location
User1	1001	Seattle
User2	1002	Seattle
User3	1003	Montreal
User4	1004	*null*
User5	1005	*null*

Solution: You use the Group By function to group the rows by UserName and you specify output columns for UserID and Location by using the Max operation.

Does this meet the goal?

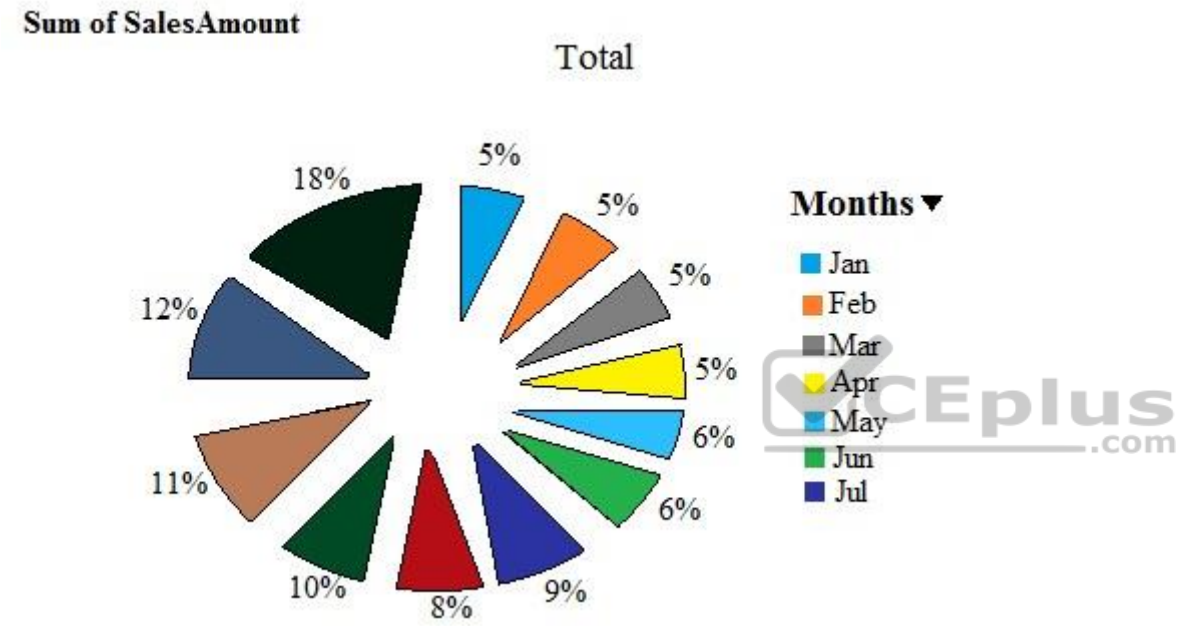
A. Yes
B. No

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 29
You have a pie chart.

You need the wedges of the pie chart to be separated as shown in the following exhibit.



What should you do?

A. Right-click the pie chart, click **Expand/Collapse**, and then click **Expand Entire Field**
B. Change the chart type to **Pie of Pie**
C. Select a wedge of the pie chart, and then drag the wedge
D. Right-click the pie chart, click **Expand/Collapse**, and then click **Expand**

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://support.office.com/en-us/article/explode-or-expand-a-pie-chart-63284b67-22ea-4960-ab1e-0a3895af68ce

QUESTION 30
You have a table named Sales that has three columns named Region, Country, and SalesAmount.

You create a PivotTable as shown in the following exhibit.

Row Labels	Sum of SalesAmount
Europe	
France	180571.692
Germany	234206.7202
United Kingdom	288012.2494
North America	
Canada	146829.8074
United States	1075679.84
Pacific	
Australia	1297816.57
Grand Total	**3223116.878**

You need to ensure that the PivotTable appears in three columns as shown in the following exhibit.

Region	Country	Sum of SalesAmount
Europe	France	180571.692
	Germany	234206.7202
	United Kingdom	288012.2494
North America	Canada	146829.8074
	United States	1075679.84
Pacific	Australia	1297816.57
Grand Total		**3223116.878**

What should you do?

A. On the Design tab, click **Report Layout**, and then click **Show in Compact Form**
B. Move Country from the Rows area to the Values area
C. Move Country from the Rows area to the Columns area
D. On the Design tab, click **Report Layout**, and then click **Show in Tabular Form**

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference:
https://www.got-it.ai/solutions/excel-chat/excel-tutorial/pivot-table/transpose-pivot-table-data

QUESTION 31
You need to configure a PivotChart as shown in the following exhibit.

Which chart element should you enable?

A. Error Bars
B. Axis Titles
C. Data Table
D. Data Labels

Correct Answer: B
Section: (none)
Explanation

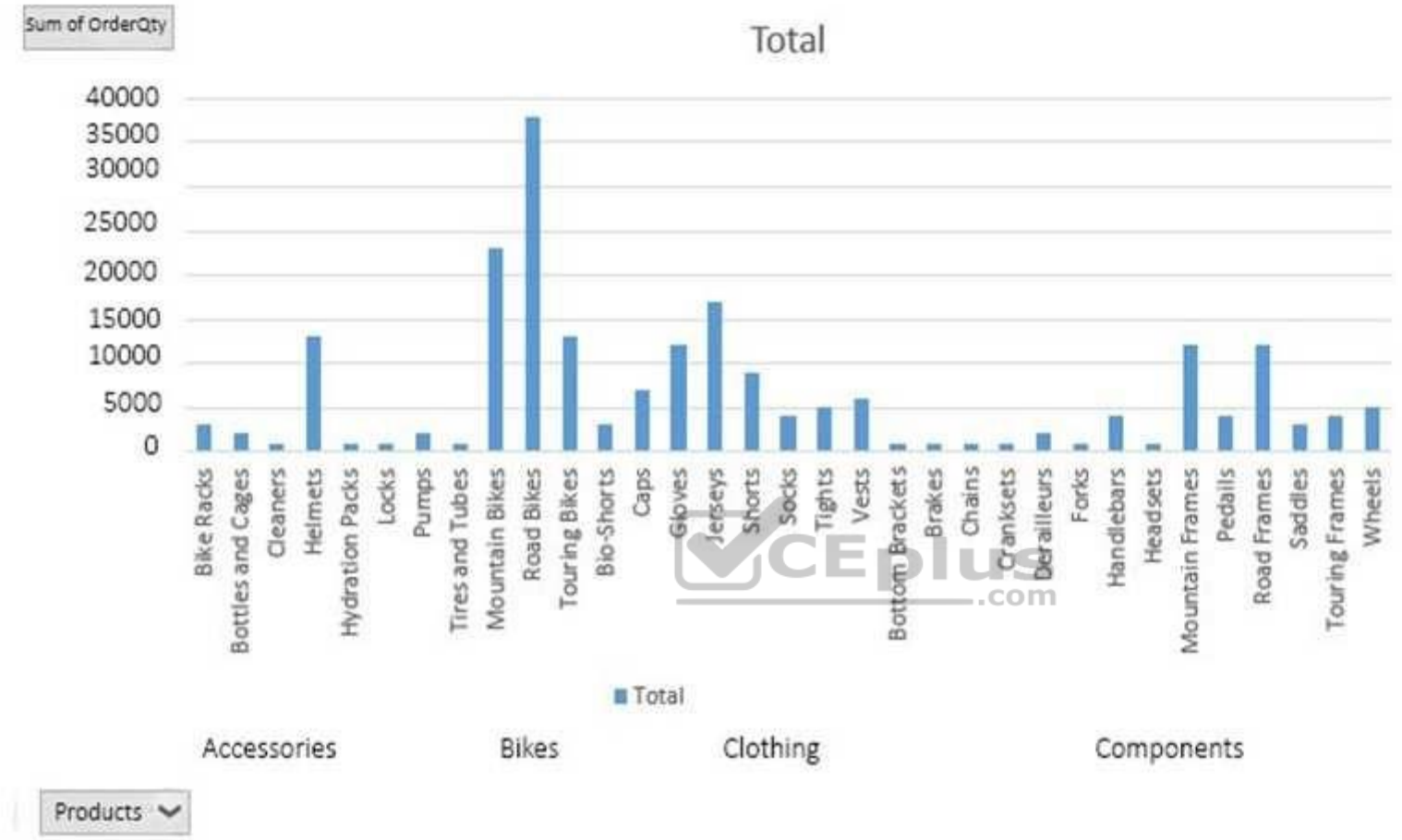
Explanation/Reference:
Reference: https://www.tutorialspoint.com/excel_charts/excel_charts_elements.htm

QUESTION 32
You have the data model shown in the **Data Model** exhibit. (Click the **Exhibit** button.)

Data Model exhibit:

You have the PivotChart shown in the **Pivot Chart** exhibit. (Click the **Exhibit** button.)

Pivot Chart exhibit:



You need to change the current view of the PivotChart to display ProductCategory only.

What should you do?

A. Click the + button
B. Double-click a bar in the PivotChart

C. Drag Products from the Axis area to the Legend area
D. Right-click a bar in the PivotChart and click **Collapse Entire Field**

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference:
https://www.contextures.com/pivotchart.html

QUESTION 33
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 the following data.

OrderDate	OrderNumber	ProductName	OrderQuantity
1/28/2018	998989	Product1	10
1/28/2018	998990	Product1	22
1/28/2018	998991	Product2	21
1/29/2018	998992	Product3	43
1/29/2018	998993	Product2	56
1/29/2018	998994	Product3	12

You need to retrieve a list of the unique ProductName entries.

Solution: Select the ProductName column, and then click **Group** on the Data tab.
.

 Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 34
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 the following data.

OrderDate	OrderNumber	ProductName	OrderQuantity
1/28/2018	998989	Product1	10
1/28/2018	998990	Product1	22
1/28/2018	998991	Product2	21
1/29/2018	998992	Product3	43
1/29/2018	998993	Product2	56
1/29/2018	998994	Product3	12

You need to retrieve a list of the unique ProductName entries.

Solution: Open the **Advanced Filter** dialog box, select **Filter the list**, **in-place**, and then select **Unique records only**.

Does this meet the goal?

A. Yes
B. No

Correct Answer: A
Section: (none)
Explanation
Explanation/Reference:

QUESTION 35
You have a workbook query that loads data from a table in a Microsoft Azure SQL database. The table has a column named LineTotal. The following is a sample of the data in LineTotal:

- 40
- 1
- 999
- 7658
- 883432

You need to ensure that when you load the data to the model, LineTotal is set as currency.

What should you do from Query Editor?

A. Split the column by delimiter
B. Split the column by characters
C. Configure the Data Type
D. Round the column

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

Reference: https://docs.microsoft.com/en-us/office/vba/language/reference/user-interface-help/currency-data-type https://support.office.com/en-us/article/format-numbers-as-currency-0a03bb38-1a07-458d-9e30-2b54366bc7a4

QUESTION 36
From a workbook query, you import a table that has the following data.

City	StateProv	Country
Montreal, Canada	QC	CA
Toronto, Canada	ON	CA
Seattle, Washington	WA	US
Miami, Florida	FL	US

You need to configure the table to appear as shown in the following table.

City	StateProv	Country
Montreal	QC	CA
Toronto	ON	CA
Seattle	WA	US
Miami	FL	US

What should you do?

A. From the Format menu, click **Trim**
B. From the Format menu, click **Clean**
C. From the Extract menu, click **Last Characters**
D. From the Split Column menu, click **By Delimiter**

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference: https://www.pcworld.com/article/3163966/excel-tutorial-how-to-import-and-parse-complicated-data.html

QUESTION 37
You have a workbook query that loads data from C:\Data\Users.xlsx.

You move Users.xlsx to a shared folder on the network.

You need to ensure that you can refresh the data from Users.xlsx.

What should you do?

A. From Query Editor, modify the Source step
B. From the Insert tab in Excel, click **My Add-ins**, and then manage the add-ins
C. From the Linked Table tab in Power Pivot, modify the Update Mode
D. From the Data tab in Excel, click **Connections**, and then modify the properties of the connection

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference: https://support.office.com/en-gb/article/connection-properties-9d3599a9-e9b3-461d-99b2-c5505ddae6e0

QUESTION 38
You have an Excel workbook that contains a table named Sales.

You add Sales to the Power Pivot model.

You need to set a column named TransactionID as the row identifier for the Sales table.

What should you do?

A. From Query Editor, modify the Data Type
B. From Power Pivot, modify the Table Behavior settings
C. From Query Editor, add an index column
D. From Power Pivot, modify the Default Field Set

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference:
https://support.office.com/en-us/article/set-table-behavior-properties-for-power-view-reports-c0e8c95e-5bb0-4bd8-a86c-6013301700ca **QUESTION 39**
You have a Power Pivot data model that contains a table named DimProduct. DimProduct has seven columns named ProductKey, ProductLabel, ProductName, ProductDescription, ProductSubCategoryKey, Manufacturer, and Brand.

Only the members of the product team use all the data in the DimProduct table.

You need to simplify the model for other users by hiding all the columns except Product Name.

What should you do?

A. Create a perspective that has only the ProductName field from DimProduct selected.
B. Select all the columns in DimProduct except ProductName, right-click the columns, and then click **Hide from Client Tools**.
C. Edit the Table behavior settings for DimProduct and add ProductName to the Default Label.
D. Edit the Default Field Set for DimProduct and add ProductName to the Default Field.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference:
https://support.office.com/en-us/article/hide-columns-and-tables-in-power-pivot-ddf5b1f2-2ed2-4bdb-8f78-6f94503ca87a

QUESTION 40
You are building a KPI.

You need to configure the KPI to display a red icon when the sales from a month is less than nine percent of the sales from the last 12 months.

What should you use to define the target value?

A. a measure
B. a calculated column
C. a calculated field

D. an absolute value

Correct Answer: A
Section: (none)
Explanation

OrderID	OrderDate	ClientID	ClientName	ClientPhone	ProductID	ProductName	ProductWeight	OrderAmount
667	2017/01/05	156	ClientA	555-555-1010	665	Product1	10	300
668	2017/01/05	156	ClientA	555-555-1010	665	Product1	10	250
669	2017/01/05	156	ClientA	555-555-1010	664	Product2	12	100
670	2017/01/05	222	ClientB	555-555-1567	664	Product2	12	175

Explanation/Reference:
Reference:
https://support.office.com/en-us/article/key-performance-indicators-kpis-in-power-pivot-e653edef-8a21-40e4-9ece-83a6c8c306aa

QUESTION 41
You have a table in a Microsoft SQL Server database that has more than 5 columns. A sample of the data and some of the columns are shown in the following table.

The table contains more than two million rows. You have 100 clients and 10 products.

You need to load the data to Excel. The solution must minimize the amount of memory used by the model.

What should you do?

A. Load the data to the data model as three tables named Clients, Orders, and Products. Ensure that each table has only the relevant columns. Remove duplicate rows from Clients and Products.
B. Move the database to a Microsoft Azure SQL database. Load the table to the data model.
C. Load the data to one worksheet.
D. Load the data to three worksheets named Clients, Orders, and Products. Ensure that each worksheet has only the relevant columns. Remove duplicate rows from Clients and Products.

Correct Answer: A
Section: (none)
Explanation

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

QUESTION 42
You have a measure that is used by a KPI.

You need to display the output of the measure in a cell in your workbook.

Which Excel function should you use?

A. CUBEVALUE
B. LOOKUP
C. VLOOKUP
D. CUBESET

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference:
https://support.office.com/en-us/article/cubevalue-function-8733da24-26d1-4e34-9b3a-84a8f00dcbe0

QUESTION 43
You have a measure named SalesGrowth that calculates the percent of sales growth. The measure uses the following formula.

([Total Sales Current Year] – [Total Sales Last year]) / [Total Sales Last Year]

Total Sales Current Year is a measure that calculates the sales from the current calendar year. Total Sales Last Year is a measure that calculates the sales from the previous calendar year.
You need to create a KPI that displays a red icon when the sales growth is less than last year.

What should you use to define the target value?

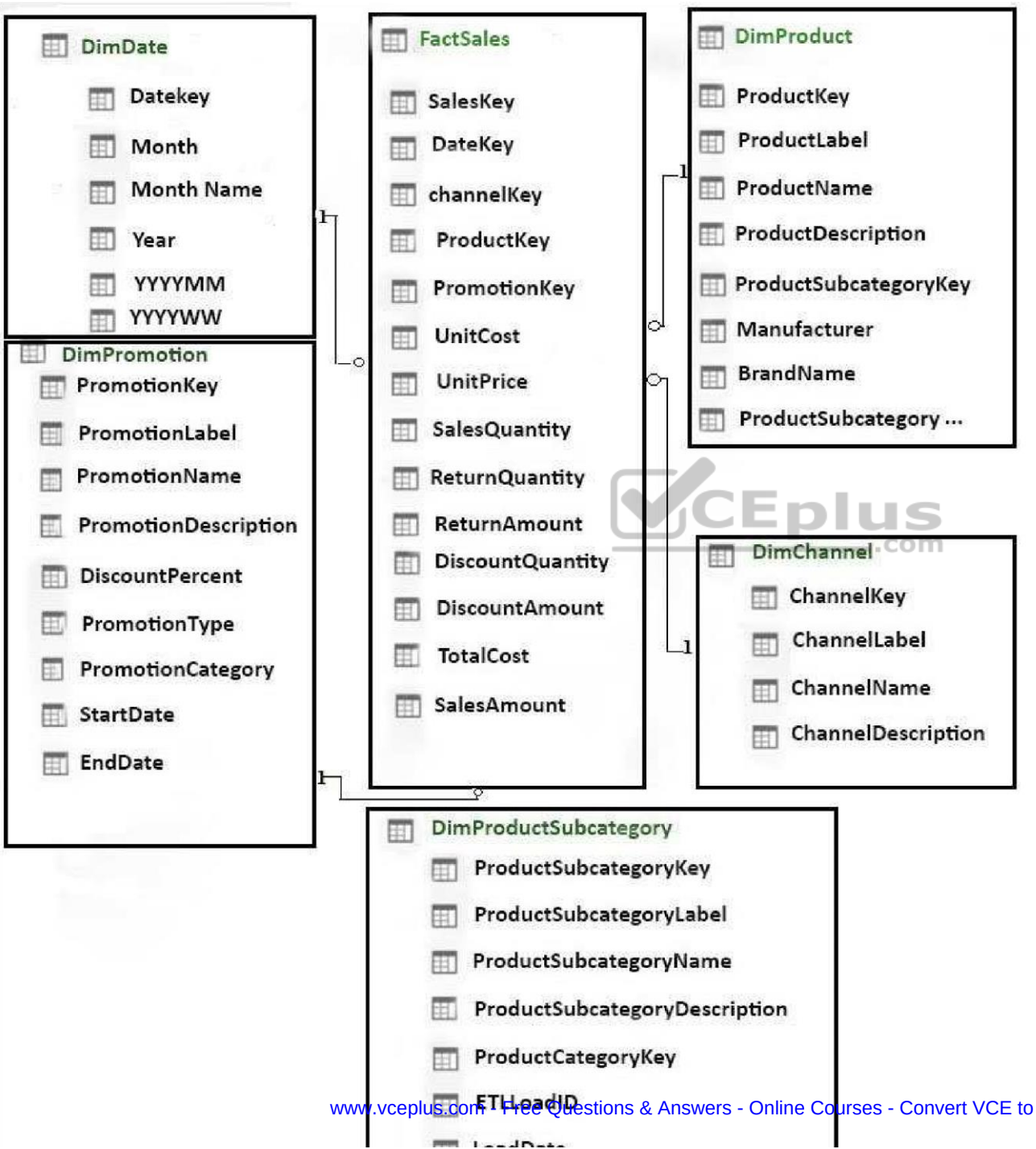
A. the Total Sales Current Year measure
B. an absolute value of 0
C. the Total Sales Last Year measure
D. an absolute value of 100

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://support.office.com/en-us/article/key-performance-indicators-kpis-in-power-pivot-e653edef-8a21-40e4-9ece-83a6c8c306aa **QUESTION 44**
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:



Your company has 100 product subcategories and more than 10,000 products.

End of repeated scenario.

You plan to use the DAX time intelligence functions of DATEADD and DATESMTD.

You need to ensure that the functions return the correct data.

What should you do first?

A. Change the Data Type of DimDate[DateKey]
B. Delete and recreate the relationship between FactSales and DimDate
C. Mark DimDate as the date table
D. Change the Data Type of FactSales[DateKey]

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference:
https://stoneridgesoftware.com/how-to-use-time-intelligence-in-power-bi-using-dax/

QUESTION 45
Your company has a data analyst who uses Microsoft Power BI Desktop to create a data model and several reports.

The data analyst publishes the reports to the Power BI service.

You need to create a PivotTable in Excel that uses the data model created by the data analyst. The solution must prevent the data from being imported into Excel.

What should you do first?

A. From Excel, create a new query that uses the Data Catalog
B. From powerbi.com, select the report. From the File menu, click **Download report**
C. From powerbi.com, select the report and click **Analyze in Excel**
D. From powerbi.com, select the report. From the File menu, click **Save us**

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://powerbi.microsoft.com/es-es/blog/analyze-in-excel-from-power-bi-publisher-july-update/

QUESTION 46
You have the PivotTable shown in the following exhibit.

LineTotal	All
Row Labels	**Sum of LineTotal**
AWC Logo Cap	61.63623912
Bike Wash - Dissolver	71.96453572
Chain	48.576
Classic Vest, M	431.8
Classic Vest, S	602.90075
Front Brakes	219.0857142
Front Derailleur	237.874
Half-Finger Gloves, L	186.124
Half-Finger Gloves, M	127.348
Half-Finger Gloves, S	117.552
Hitch Rack - 4-Bike	576
HL Bottom Bracket	546.705
HL Crankset	1457.964
Grand Total	**4685.530239**

You need to display only rows in the PivotTable in which the sum of LineTotal is greater than 100.

What should you do?

A. Add a slicer for LineTotal and select the values from the slicer

B. Add LineTotal to the Filters area of PivotTable Fields. Configure the Filters value

C. From Row Label, configure a Label Filter D. From Row Label, configure a Value Filter

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference:
https://support.office.com/en-us/article/use-slicers-to-filter-data-249f966b-a9d5-4b0f-b31a-12651785d29d