

Exam Questions PL-300

Microsoft Power BI Data Analyst

<https://www.2passeasy.com/dumps/PL-300/>



NEW QUESTION 1

- (Exam Topic 1)

You need to provide a solution to provide the sales managers with the required access. What should you include in the solution?

- A. Create a security role that has a table filter on the Sales_Manager table where username = UserName()
- B. Create a security role that has a table filter on the Region_Manager table wheresales_manager_id = UserPrincipalName().
- C. Create a security role that has a table filter on the Sales_Manager table where name = UserName().
- D. Create a security role that has a table filter on the Sales_Manager table where username = sales_manager_id.

Answer: A

Explanation:

<https://powerbi.microsoft.com/en-us/blog/using-username-in-dax-with-row-level-security/>

NEW QUESTION 2

- (Exam Topic 1)

What should you create to meet the reporting requirements of the sales department?

- A. a measure that uses a formula of SUM (Sales [sales_id])
- B. a calculated column that use a formula of COUNTA(sales [sales_id])
- C. a measure that uses a formula of COUNTROWS (Sales)
- D. a calculated column that uses a formula of SUM (Sales [sales_id])

Answer: C

Explanation:

The sale department requires reports that contain the number of sales transactions.

The COUNTROWS function counts the number of rows in the specified table, or in a table defined by an expression.

Reference:

<https://docs.microsoft.com/en-us/dax/countrows-function-dax>

NEW QUESTION 3

- (Exam Topic 2)

What is the minimum number of datasets and storage modes required to support the reports?

- A. two imported datasets
- B. a single DirectQuery dataset
- C. two DirectQuery datasets
- D. a single imported dataset

Answer: D

Explanation:

"The analysts responsible for each business unit must see all the data the board sees, except the profit and loss data, which must be restricted to only their business unit's data. The analysts must be able to build new reports from the dataset that contains the profit and loss data" => one dataset and two separate workspaces Reason: All data can be imported into one dataset also if these are two logical models. Shared dimensions can be reconsumed in both models. Reports and additional materials can be shared to the board with an app. The "profit and loss" data model needs RLS for the analysts and the analysts must have just read access to the original workspace. In a separate workspace with contributor (or more rights) they can create new reports (with live connection to the dataset). It is also stated that the new reports mustn't be shared so therefore no need to include them into the app. Import vs. DirectQuery: Due to RLS requirements an imported dataset is needed. It is not possible with file sources and Sharepoint lists.

NEW QUESTION 4

- (Exam Topic 2)

You need to grant access to the business unit analysts.

What should you configure? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

Permissions required in powerbi.com:

Access permissions to an app
 The Member role to the workspace
 The Viewer role to the workspace

Permissions for the profit and loss dataset:

Build
 Delete
 Reshare

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: The Viewer role to the workspace

The Viewer role gives a read-only experience to its users. They can view dashboards, reports, or workbooks in the workspace, but can't browse the datasets or dataflows. Use the Viewer role wherever you would previously use a classic workspace set to "Members can only view Power BI content".

Capability	Admin	Member	Contributor	Viewer
Update and delete the workspace.	X			
Add/remove people, including other admins.	X			
Add members or others with lower permissions.	X	X		
Publish and update an app.	X	X		
Share an item or share an app.	X	X		
Allow others to reshare items.	X	X		
Create, edit, and delete content in the workspace.	X	X	X	
Publish reports to the workspace, delete content.	X	X	X	
View an item.	X	X	X	X
Create a report in another workspace based on a dataset in this workspace.	X	X	X	X ¹
Copy a report.	X	X	X	X ¹

Box 2: Build

The analysts must be able to build new reports from the dataset that contains the profit and loss data. Scenario: The reports must be made available to the board from powerbi.com.

The analysts responsible for each business unit must see all the data the board sees, except the profit and loss data, which must be restricted to only their business unit's data. The analysts must be able to build new reports from the dataset that contains the profit and loss data, but any reports that the analysts build must not be included in the quarterly reports for the board. The analysts must not be able to share the quarterly reports with anyone.

Reference:

<https://www.nickyvv.com/2019/08/the-new-power-bi-workspace-viewer-role-explained.html>

NEW QUESTION 5

- (Exam Topic 2)

Once the profit and loss dataset is created, which four actions should you perform in sequence to ensure that the business unit analysts see the appropriate profit and loss data? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions

Answer Area

- From powerbi.com, assign the analysts the Contributor role to the workspace.
- From powerbi.com, add role members to the roles.
- From Power BI Desktop, add a Table Filter DAX Expression to the roles.
- From Power BI Desktop, create four roles.
- From Power BI Desktop, publish the dataset to powerbi.com.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



<https://docs.microsoft.com/en-us/power-bi/admin/service-admin-rls> <https://docs.microsoft.com/en-us/power-bi/connect-data/service-datasets-build-permissions>

NEW QUESTION 6

- (Exam Topic 2)

You need to recommend a strategy to consistently define the business unit, department, and product category data and make the data usable across reports. What should you recommend?

- A. Create a shared dataset for each standardized entity.
- B. Create dataflows for the standardized data and make the dataflows available for use in all imported datasets.
- C. For every report, create and use a single shared dataset that contains the standardized data.
- D. For the three entities, create exports of the data from the Power BI model to Excel and store the data in Microsoft OneDrive for others to use as a source.

Answer: B

NEW QUESTION 7

- (Exam Topic 2)

You need to calculate the last day of the month in the balance sheet data to ensure that you can relate the balance sheet data to the Date table. Which type of calculation and which formula should you use? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

Type of calculation:

A DAX calculated column
A DAX calculated measure
An M custom column

Formula:

Date.EndOfMonth(#date([Year], [Month], 1))
Date.EndOfQuarter(#date([Year], [Month], 1))
ENDOFQUARTER(DATE('BalanceSheet'[Year], BalanceSheet[Month], 1), 0)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: A DAX Calculated measure

Box 2: Date.EndOfQuarter(#date([Year],[Month],1))

ENDOFQUARTER returns the last date of the quarter in the current context for the specified column of dates. The following sample formula creates a measure that returns the end of the quarter, for the current context.

= ENDOFQUARTER(DateTime[DateKey]) Reference:

<https://docs.microsoft.com/en-us/dax/endofquarter-function-dax>

NEW QUESTION 8

- (Exam Topic 2)

You need to create a DAX measure in the data model that only allows users to see projections at the appropriate levels of granularity.

How should you complete the measure? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Values

AND

IF

ISFILTERED

KEEPFILTERS

SUM

SUMX

Answer Area

Total Projected Revenue =

```
Value (
    NOT ( Value ( 'Date'[Date] ) ),
    Value ( Projection[Revenue Projection] )
)
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Scenario: Revenue projections are set at the monthly level and summed to show projections for the quarter. Box 1: IF

Box 2: ISFILTERED

ISFILTERED returns TRUE when columnName is being filtered directly. If there is no filter on the column or if the filtering happens because a different column in the same table or in a related table is being filtered then the function returns FALSE.

Box 3: SUM

Reference:

<https://docs.microsoft.com/en-us/dax/isfiltered-function-dax>

NEW QUESTION 9

- (Exam Topic 3)

You need to design the data model to meet the report requirements. What should you do in Power BI Desktop?

- A. From Power Query, use a DAX expression to add columns to the Orders table to calculate the calendar quarter of the OrderDate column, the calendar month of the OrderDate column, the calendar quarter of the ShippedDate column, and the calendar month of the ShippedDate column.
- B. From Power Query, add columns to the Orders table to calculate the calendar quarter and the calendar month of the OrderDate column.
- C. From Power BI Desktop, use the Auto date/time option when creating the reports.
- D. From Power Query, add a date table
- E. Create an active relationship to the OrderDate column in the Orders table and an inactive relationship to the ShippedDate column in the Orders table.

Answer: B

Explanation:

Use Power Query to calculate calendar quarter and calendar month. Scenario:

- > A single dataset must support all three reports:
 - The Top Customers report will show the top 20 customers based on the highest sales amounts in a selected order month or quarter, product category, and sales region.
 - The Top Products report will show the top 20 products based on the highest sales amounts sold in a selected order month or quarter, sales region, and product category.
- > The data model must minimize the size of the dataset as much as possible, while meeting the report requirements and the technical requirements.

NEW QUESTION 10

- (Exam Topic 3)

You need to create the On-Time Shipping report. The report must include a visualization that shows the percentage of late orders.

Which type of visualization should you create?

- A. bar chart
- B. scatterplot
- C. pie chart

Answer: A

Explanation:

Scenario: The On-Time Shipping report will show the following metrics for a selected shipping month or quarter:

The percentage of orders that were shipped late by country and shipping region Customers that had multiple late shipments during the last quarter

Note: Bar and column charts are some of the most widely used visualization charts in Power BI. They can be used for one or multiple categories. Both these chart types represent data with rectangular bars, where the size of the bar is proportional to the magnitude of data values.

The difference between the two is that if the rectangles are stacked horizontally, it is called a bar chart. If the rectangles are vertically aligned, it is called a column chart.

Reference:

<https://www.pluralsight.com/guides/bar-and-column-charts-in-power-bi>

NEW QUESTION 10

- (Exam Topic 3)

You need to create the Top Customers report.

Which type of filter should you use, and at which level should you apply the filter? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Filter type:

Top N
Basic
Advanced

Level:

Page
Visual
Report

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Filter type:

Top N
Basic
Advanced

Level:

Page
Visual
Report

Graphical user interface Description automatically generated with low confidence

Box 1: Top N

Scenario: The Top Customers report will show the top 20 customers based on the highest sales amounts in a selected order month or quarter, product category, and sales region.

Once you drag to SKU to Visual level filter you should get Top N option Note: The two most common filter types: automatic and manual.

Then there are more advanced filters. Box 2: Visual

Once you drag to SKU to Visual level filter you should get Top N option. Reference:

<https://powerbidocs.com/2020/01/21/power-bi-top-n-filters/>

NEW QUESTION 13

- (Exam Topic 3)

You need to create the dataset. Which dataset mode should you use?

- A. DirectQuery
- B. Import
- C. Live connection
- D. Composite

Answer: D

NEW QUESTION 15

- (Exam Topic 3)

You need to minimize the size of the dataset. The solution must meet the report requirements What should you do?

- A. Change the OrderID column in the Orders table to the text data type.
- B. Filter out discontinued products while importing the Product table.
- C. Remove the QuantityPerUnit column from the Products table
- D. Group the Categories table by the CategoryID column.

Answer: D

NEW QUESTION 18

- (Exam Topic 4)
You have a folder of monthly transaction extracts.
You plan to create a report to analyze the transaction data.
You receive the following email message: "Hi. I've put 24 files of monthly transaction data onto the shared drive. File Transactions201901.csv through Transactions201912.csv have the latest set of columns, but files Transactions201801.csv to Transactions201812.csv have an older layout without the extra fields needed for analysis. Each file contains 10 to 50 transactions."
You get data from the folder and select Combine & Load. The Combine Files dialog box is shown in the exhibit. (Click the Exhibit tab.)

Combine Files

Specify the settings for each file. [Learn more](#)

Sample File:

First file

File Origin

1252: Western European (Windows)

Delimiter

Comma

Data Type Detection

Based on entire dataset

ID	Date	CustomerID	Amount
1	01/01/2018 08:00:00	5	28.99
2	01/01/2018 18:00:00	10	31.88
3	02/01/2018 08:00:00	15	22.99
4	02/01/2018 18:00:00	25	14.29
5	03/01/2018 08:00:00	35	85
6	03/01/2018 18:00:00	45	47.74
7	04/01/2018 08:00:00	55	76.66
8	04/01/2018 18:00:00	51	99.99
9	05/01/2018 08:00:00	52	10.99
10	05/01/2018 18:00:00	58	85

☒ Skip files with errors

OK

Cancel

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
The resulting query will contain all the columns from the 2018 transactions.	<input type="radio"/>	<input type="radio"/>
The resulting query will contain all the columns from the 2019 transactions.	<input type="radio"/>	<input type="radio"/>
Setting Data Type Detection to Based on first 200 rows will improve import times.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

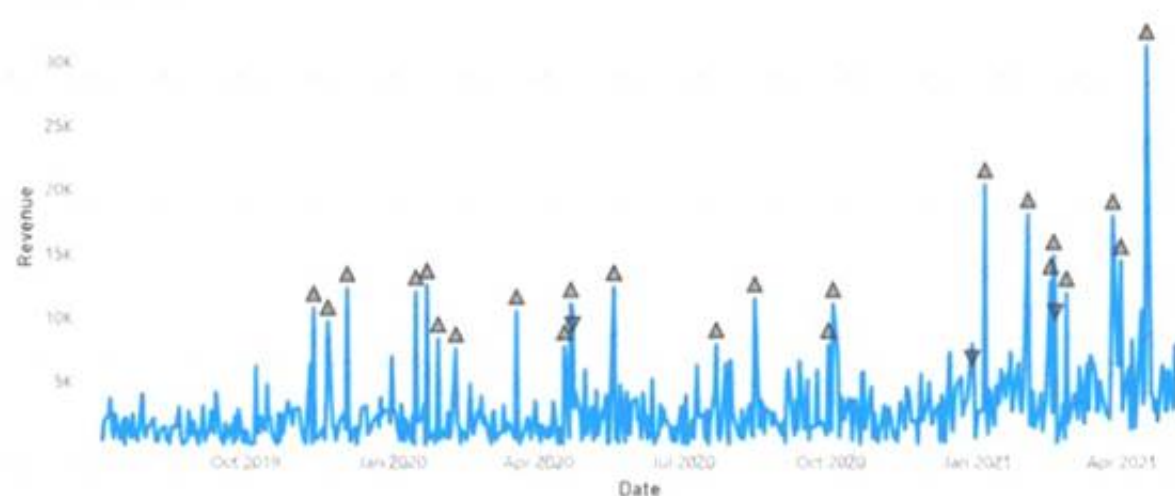
Answer: A

Explanation:
Graphical user interface, text, application Description automatically generated
Box 1: Yes
The four columns used in the 2018 transactions are already displayed. Box 2: Yes
The columns used are based on the entire dataset. The additional columns in the 2019 files will be detected. Box 3: Yes
Note: Under the hoods, Power BI will automatically detect which delimiter to use, and may even promote the first row as headers. You can manually change the delimiter, or define how Power BI should handle data types. You can set it to automatically detect data types based on first 200 rows, or the entire dataset or you can even opt out the detection of data types.

NEW QUESTION 23

- (Exam Topic 4)
You have a Power BI visual that uses indicators to show values that are out of range as shown in the following exhibit.

Revenue by Date



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer as selected

Answer Area

The visual type is [answer choice] chart. a line

The visual indicators that show values out of range are created by using [answer choice]. anomaly detection

NEW QUESTION 25

- (Exam Topic 4)

You have a report in Power BI named report1 that is based on a shared dataset.

You need to minimize the risk of data exfiltration for report1. The solution must prevent other reports from being affected.

What should you do?

- A. Clear Allow recipients to share your dashboard and Allow users to build new content using the underlying datasets for the dataset.
- B. Select the Allow end users to export both summarized and underlying data from the service or Report Server Export data option for the report.
- C. Select the Don't allow end users to export any data from the service or Report Server Export data option for the report.
- D. Apply row-level security (RLS) to the shared dataset.

Answer: C

NEW QUESTION 29

- (Exam Topic 4)

You have a data model that contains many complex DAX expressions. The expressions contain frequent references to the RELATED and RELATEDTABLE functions.

You need to recommend a solution to minimize the use of the RELATED and RELATEDTABLE functions. What should you recommend?

- A. Merge tables by using Power Query.
- B. Hide unused columns in the model.
- C. Split the model into multiple models.
- D. Transpose.

Answer: A

Explanation:

Combining data means connecting to two or more data sources, shaping them as needed, then consolidating them into a useful query.

When you have one or more columns that you'd like to add to another query, you merge the queries. Note: The RELATEDTABLE function is a shortcut for CALCULATETABLE function with no logical expression.

CALCULATETABLE evaluates a table expression in a modified filter context and returns A table of values. Reference:

<https://docs.microsoft.com/en-us/power-bi/connect-data/desktop-shape-and-combine-data>

NEW QUESTION 31

- (Exam Topic 4)

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 are modeling data by using Microsoft Power BI. Part of the data model is a large Microsoft SQL Server table named Order that has more than 100 million records.

During the development process, you need to import a sample of the data from the Order table.

Solution: You add a WHERE clause to the SQL statement. Does this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

The WHERE clause has its effects before the data is imported. Reference:
https://docs.microsoft.com/en-us/power-bi/connect-data/service-gateway-sql-tutorial

NEW QUESTION 33

- (Exam Topic 4)

Your company has training videos that are published to Microsoft Stream. You need to surface the videos directly in a Microsoft Power BI dashboard. Which type of tile should you add?

- A. video
- B. custom streaming data
- C. text box
- D. web content

Answer: D

Explanation:

https://docs.microsoft.com/en-us/stream/portal-embed-video
https://docs.microsoft.com/en-us/power-bi/create-reports/service-dashboard-add-widget#add-web-content

NEW QUESTION 35

- (Exam Topic 4)

You receive revenue data that must be included in Microsoft Power BI reports.
You perform an initial load of the data from a Microsoft Excel source as shown in the following exhibit.

	Column1	Column2	Column3	Column4	Column5	Column6
	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%
1	Department	Product	2016	2017	2018	2019
2	Bikes	Carbon mountainbike	1002815	1006682	1007814	1007239
3	Bikes	Aluminium road bike	1007024	1009454	1005842	1007105
4	Bikes	Touring bike	1003676	1005171	1001669	1003244
5	Accessories	Bell	76713	10247	60590	25927
6	Accessories	Bottle holder	26690	29613	67955	71466
7	Accessories	Satnav	83189	40133	71684	24697
8	Accessories	Mobilephone holder	68641	80336	58099	45706

You plan to create several visuals from the data, including a visual that shows revenue split by year and product.
You need to transform the data to ensure that you can build the visuals. The solution must ensure that the columns are named appropriately for the data that they contain.
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.

Actions

Select Use Headers as First Row.

Select Department and Product and Unpivot Other Columns.

Select Use First Rows as Headers.

Rename the third column as Year and the fourth column as Revenue.

Select Department and Product and Unpivot Columns.

Rename the third column as Revenue and the fourth column as Year.

Answer Area

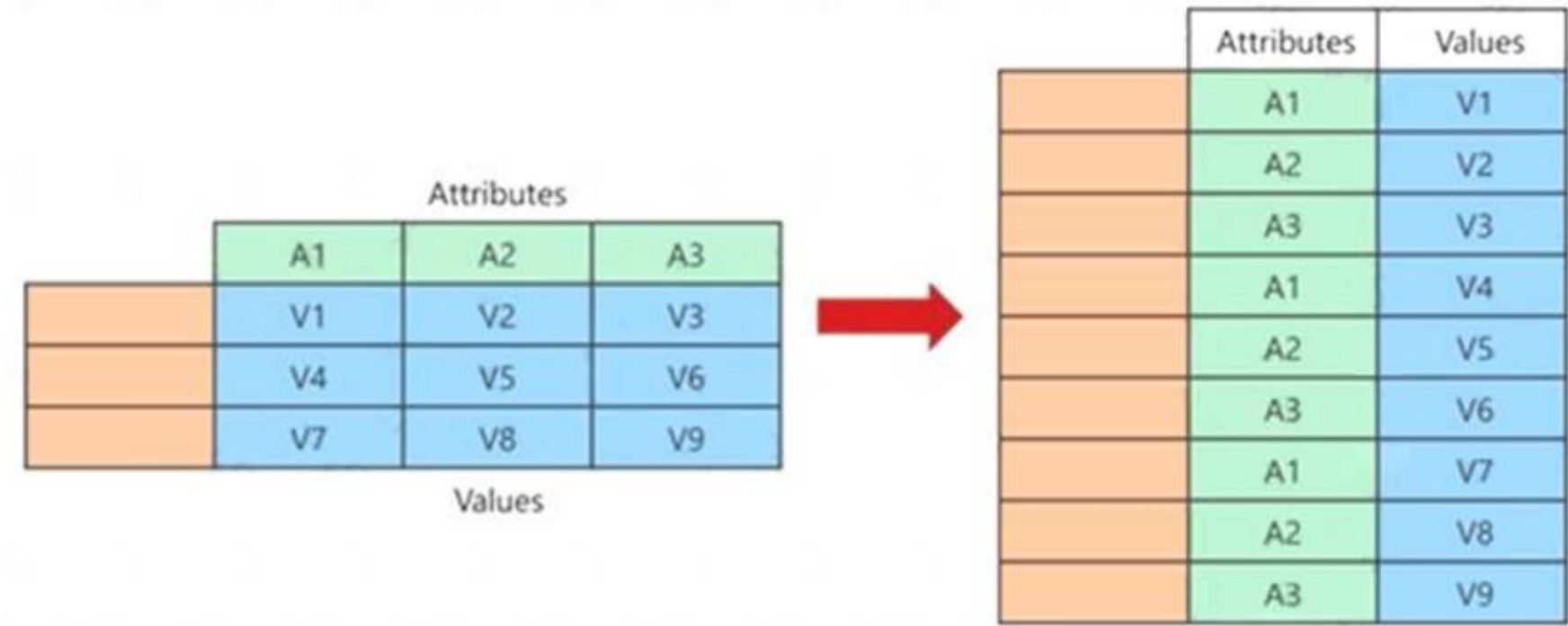
- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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Step 1: Select Use Header as First Row.
Step 2: Select Department and Product and Unpivot Other Columns
Unpivot Other Columns: This command unpivots unselected columns. Use this command in a query when not all columns are known. New columns added during a refresh operation are also unpivoted.
Step 3: Rename the Attribute column to Year and the Value column to Revenue.
You might want to unpivot data, sometimes called flattening the data, to put it in a matrix format so that all similar values are in one column. This is necessary, for example, to create a chart or a report.

Chart Description automatically generated with medium confidence



When you unpivot, you unpack the attribute-value pairs that represent an intersection point of the new columns and re-orient them into flattened columns: Values (in blue on the left) are unpivoted into a new column (in blue on the right). Attributes (in green on the left) are unpivoted into a new column (in green on the right) and duplicates are correspondingly mapped to the new Values column. Reference: <https://support.microsoft.com/en-us/office/unpivot-columns-power-query-0f7bad4b-9ea1-49c1-9d95-f588221c7>

NEW QUESTION 39

- (Exam Topic 4)
Your company has employees in 10 states.
The company recently decided to associate each state to one of the following three regions: East, West, and North.
You have a data model that contains employee information by state. The model does NOT include region information.
You have a report that shows the employees by state.
You need to view the employees by region as quickly as possible. What should you do?

- A. Create a new aggregation that summarizes by employee.
- B. Create a new group on the state column and set the Group type to List.
- C. Create a new group on the state column and set the Group type to Bin.
- D. Create a new aggregation that summarizes by state.

Answer: B

Explanation: <https://www.mssqltips.com/sqlservertip/4720/binning-and-grouping-data-with-power-bi/>

NEW QUESTION 44

- (Exam Topic 4)
In Power Query Editor, you have three queries named ProductCategory, ProductSubCategory, and Product. Every Product has a ProductSubCategory. Not every ProductSubCategory has a parent ProductCategory.
You need to merge the three queries into a single query. The solution must ensure the best performance in Power Query.
How should you merge the tables? To answer, drag the appropriate merge types to the correct queries. Each merge type may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

Join kinds

Full outer

Inner

Left anti

Left outer

Right anti

Right outer

Answer Area

Left Table

Product

ProductSubCategory

Right Table

ProductSubCategory

ProductCategory

Join Kind

Join kind

Join kind

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Reference: <https://docs.microsoft.com/en-us/power-query/merge-queries-inner> <https://docs.microsoft.com/en-us/power-query/merge-queries-left-outer>

NEW QUESTION 48

- (Exam Topic 4)

You have a Power BI report named Report1 and a dashboard named Dashboard1, Report1 contains a line chart named Sales by month.

You pin the Sales by month visual to Dashboard1.

In Report1, you change the Sales by month visual to a bar chart. You need to ensure that bar chart displays on Dashboard1. What should you do?

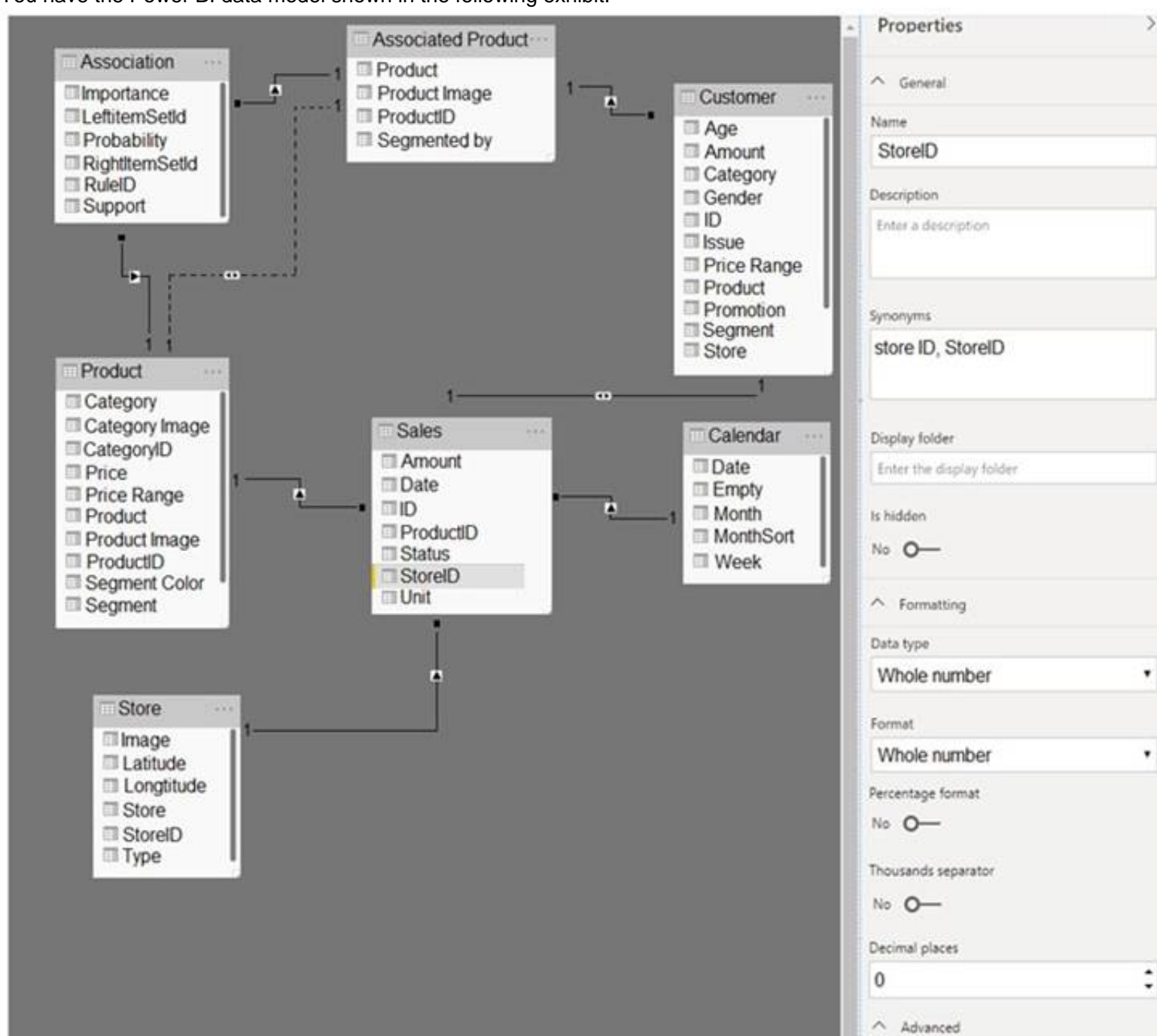
- A. Edit the details for the dashboard tile of Dashboard1.
- B. Select Refresh visuals for Dashboard1.
- C. the Sales by month bar chart to Dashboard1
- D. Refresh the dataset used by Report1 and Dashboard1.

Answer: D

NEW QUESTION 51

- (Exam Topic 4)

You have the Power BI data model shown in the following exhibit.



Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Answer Area

When a table visual is added to a blank report page and populated by using the StoreID field from the Sales table, a [answer choice] is displayed.

	▼
distinct count of the StoreID values	
list of all the StoreID values	
list of the distinct StoreID values	
sum of the StoreID values	

Adding a page filter of Sales[StoreID] = 1 will filter the values displayed on the page from [answer choice].

	▼
all the tables related to the Sales table	
only the Sales table	
only the Store table	
the Sales table and the Customer table	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

When a table visual is added to a blank report page and populated by using the StoreID field from the Sales table, a [answer choice] is displayed.

	▼
distinct count of the StoreID values	
list of all the StoreID values	
list of the distinct StoreID values	
sum of the StoreID values	

Adding a page filter of Sales[StoreID] = 1 will filter the values displayed on the page from [answer choice].

	▼
all the tables related to the Sales table	
only the Sales table	
only the Store table	
the Sales table and the Customer table	

NEW QUESTION 53

- (Exam Topic 4)

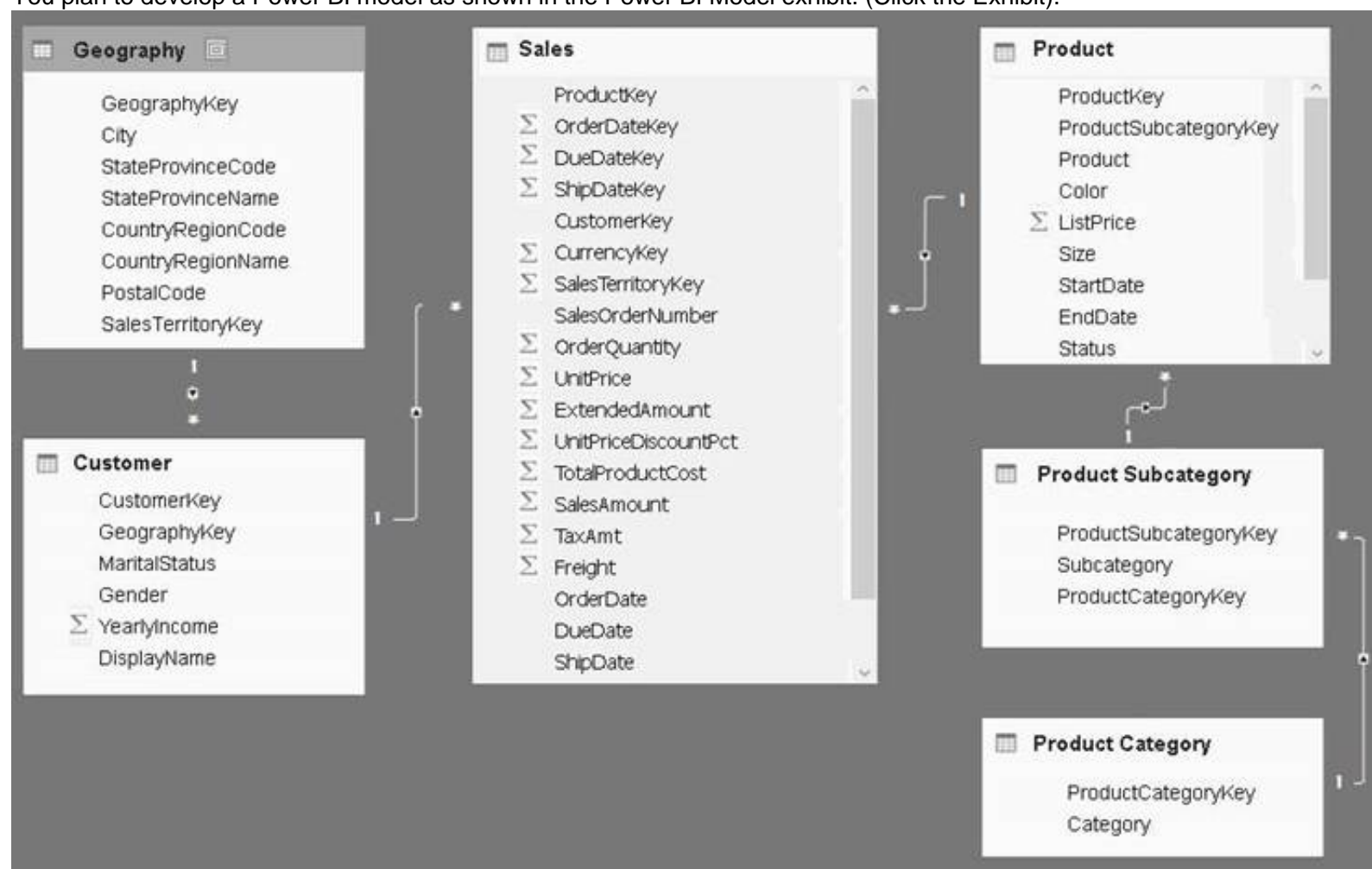
Note: This question is a part of a series of questions that present the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is exactly the same in each question in this series.

Start of repeated scenario

You have a Microsoft SQL Server database that has the tables shown in the Database Diagram exhibit. (Click the Exhibit.)

dimGeography [GeographyKey] [City] [StateProvinceCode] [StateProvinceName] [CountryRegionCode] [EnglishCountryRegionName] [PostalCode] [SalesTerritoryKey] [IpAddressLocator]	Sales [ProductKey] [OrderDateKey] [DueDateKey] [ShipDateKey] [CustomerKey] [PromotionKey] [CurrencyKey] [SalesTerritoryKey] [SalesOrderNumber] [SalesOrderLineNumber] [OrderQuantity] [UnitPrice] [ExtendedAmount] [UnitPriceDiscountPct] [DiscountAmount] ProductStandardCost] [TotalProductCost] [SalesAmount] [TaxAmt] [Freight] [OrderDate] [DueDate] [ShipDate]	dimProduct [ProductKey] [ProductSubcategoryKey] [EnglishProductName] [Color] [ListPrice] [Size] [StartDate] [EndDate] [Status]
dimCustomer [CustomerKey] [GeographyKey] [DisplayName] [MaritalStatus] [Gender] [YearlyIncome]		dimProductSubcategory [ProductSubcategoryKey] [ProductSubcategoryAlternateKey] [EnglishProductSubcategoryName] [SpanishProductSubcategoryName] [FrenchProductSubcategoryName] [ProductCategoryKey]
		dimProductCategory [ProductCategoryKey] [ProductCategoryAlternateKey] [EnglishProductCategoryName] [SpanishProductCategoryName] [FrenchProductCategoryName]

You plan to develop a Power BI model as shown in the Power BI Model exhibit. (Click the Exhibit).



You plan to use Power BI to import data from 2013 to 2015. Product Subcategory [Subcategory] contains NULL values. End of repeated scenario.

You implement the Power BI model.

You need to edit the Product Category table query to match the desired Power BI model.

How should you complete the advanced query? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all.

You may need to drag the split bar between panes or scroll to view content. NOTE: Each correct selection is worth one point.

Values

Table.Combine

Table.RemovedColumns

Table.RemoveRows

Table.RenameColumns

Table.ReorderColumns

Table.SelectColumns

Answer Area

```

let
    Source= Sql.Databases ("localhost"),
    DB1= Source {[Name= "DB1"]} [Data],
    dbo_DimProductCategory= DB1{[Schema= "dbo, Item= "DimProductCategory"]} [Data],
    #"Var1" = Value

    (dbo_DimProductCategory, {"ProductCategoryAlternateKey",
    "SpanishProductCategoryName", "FrenchProductCategoryName"}),

    #"Var2" = Value

    ({"Var1", {( "EnglishProductCategoryName", "Category"), {"DimProductSubcategory", "Subcategory"}}}
in
    #"Var2"
        
```

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

Graphical user interface, application Description automatically generated

References:

<https://msdn.microsoft.com/en-us/library/mt260776.aspx> <https://msdn.microsoft.com/en-us/library/mt260808.aspx>

NEW QUESTION 56

- (Exam Topic 4)

You import a large dataset to Power Query Editor.

You need to identify whether a column contains only unique values.

Which two Data Preview options can you use? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point

- A. Show whitespace
 B. Column distribution
 C. Column profile
 D. Column quality
 E. Monospaced

Answer: AD

NEW QUESTION 57

- (Exam Topic 4)

You are creating a sales report in Power BI for the NorthWest region sales territory of your company. Data will come from a view in a Microsoft SQL Server database. A sample of the data is shown in the following table:

ID	ProductKey	OrderDate	ShipDate	CustomerKey	SalesTerritoryRegion	SalesOrderNumber	SalesOrderLineNumber	OrderQuantity	UnitPrice	SalesAmount	TaxAmount	Freight
1	310	2010-12-29	2011-01-05	21768	Canada	SO43697	1	1	3578.27	3578.27	286.2616	89.4568
2	346	2010-12-29	2011-01-05	27365	France	SO43698	1	1	3399.99	3399.99	271.9992	84.9998
3	346	2010-12-29	2011-01-05	76537	NorthWest	SO43699	1	1	3399.99	3399.99	271.9992	84.9998
4	336	2010-12-29	2011-01-05	34256	SouthWest	SO43700	1	1	699.0982	699.0982	55.9279	17.4775
5	346	2010-12-29	2011-01-05	34253	Australia	SO43701	1	1	3399.99	3399.99	271.9992	84.9998
6	311	2010-12-30	2011-01-06	12543	SouthWest	SO43702	1	1	3578.27	3578.27	286.2616	89.4568
7	310	2010-12-30	2011-01-06	76545	Australia	SO43703	1	1	3578.27	3578.27	286.2616	89.4568

The report will facilitate the following analysis:

- The count of orders and the sum of total sales by Order Date
- The count of customers who placed an order
- The average quantity per order

You need to reduce data refresh times and report query times.

Which two actions should you perform? Each correct answer presents part of the solution

NOTE: Each correct selection is worth one point.

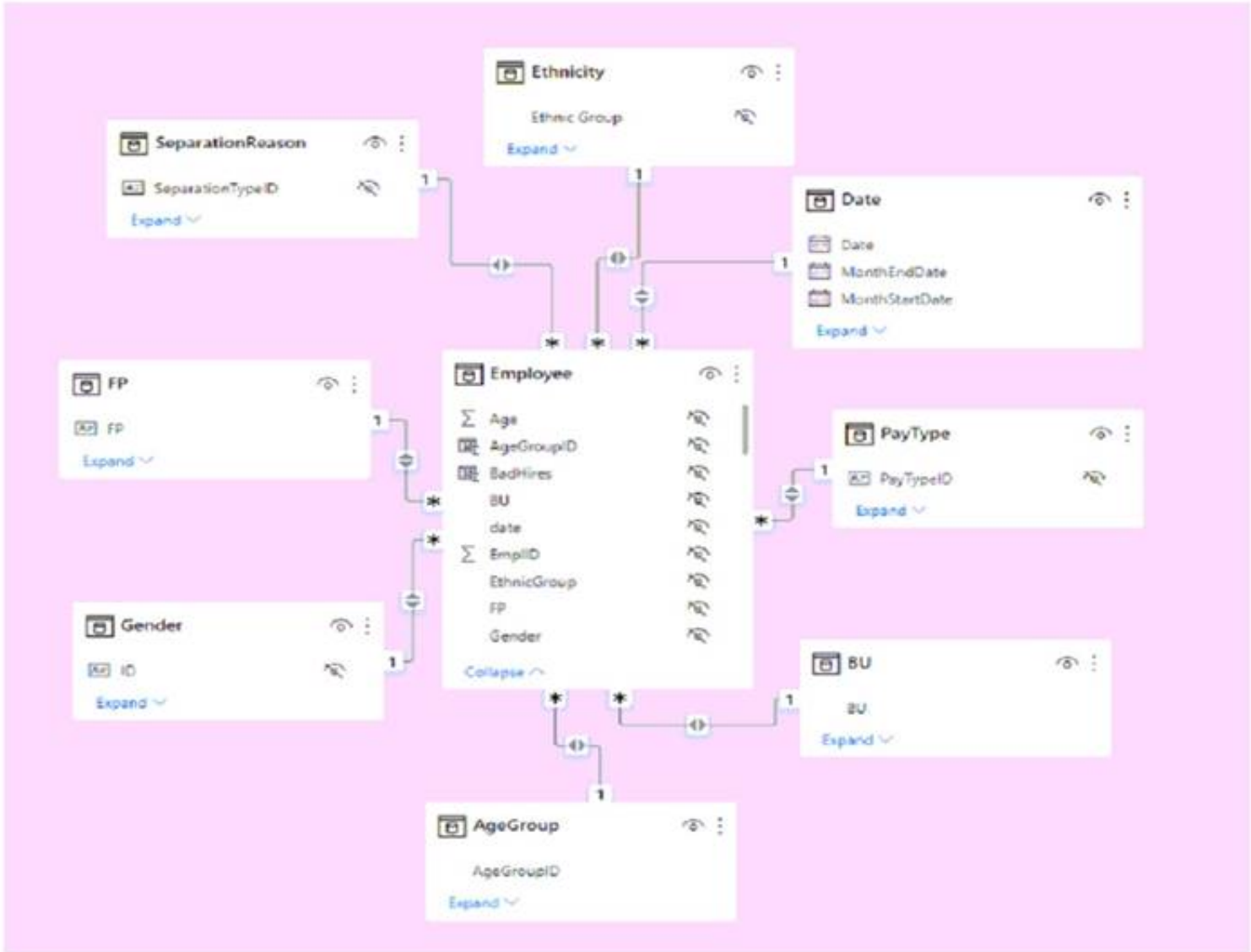
- A. Filter the data to only the NorthWest region sales territory.
 B. Remove the CustomerKey and ProductKey columns.

- C. Remove the TaxAmt and Freight columns.
- D. Set the data type for SatesOrderNumber to Decimal Number

Answer: AC

NEW QUESTION 61

- (Exam Topic 4)
You have a Power BI imported dataset that contains the data model shown in the following exhibit.



Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.
NOTE: Each correct selection is worth one point.

Answer Area

Changing the [answer choke] setting of the relationships will improve report query performance.

Cardinality

Cross filter direction

Assume Referential Integrity

The data model is organized into a [answer choice].

star schema

snowflake schema

denormalized table

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- cross filter direction
- star schema

NEW QUESTION 63

- (Exam Topic 4)
You plan to use Power BI Desktop optimized for Power BI Report Server to create a report. The report will be published to Power BI Report Server. You need to ensure that all the visualization in the report can be consumed by users. Which two types of visualizations should you exclude from the report? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Funnel charts
- B. Custom visuals
- C. Bubble maps
- D. Breadcrumbs

E. R visuals

Answer: DE

Explanation:

References: <https://powerbi.microsoft.com/en-us/guided-learning/reportserver-quickstart-powerbi-report/>

NEW QUESTION 68

- (Exam Topic 4)

You are building a Power BI report to analyze customer segments.

You need to identify customer segments dynamically based on the Bounce Rate across dimensions such as source, geography, and demographics. The solution must minimize analysis effort.

Which type of visualization should you use?

- A. decomposition tree
- B. funnel chart
- C. Q&A
- D. key influencers

Answer: A

Explanation:

The key influencers visual is a great choice if you want to: See which factors affect the metric being analyzed.

Contrast the relative importance of these factors. For example, do short-term contracts affect churn more than long-term contracts?

Note: The key influencers visual helps you understand the factors that drive a metric you're interested in. It analyzes your data, ranks the factors that matter, and displays them as key influencers. For example, suppose you want to figure out what influences employee turnover, which is also known as churn. One factor might be employment contract length, and another factor might be commute time.

<https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-influencers>

NEW QUESTION 72

- (Exam Topic 4)

You plan to develop a Power BI report that has a bar chart to display the number of customers by location. You have a table named Customer that has the following columns:

- Customer ID
- CustomerName
- Address
- City
- ProvState
- Country

You need to allow users to drill down by location. The report will display the number of each customer by Country, and drill down to ProvState, and then to City.

How should you configure the drill down in the bar chart?

- A. In the Value field, add Countr
- B. In the Legend field, add ProvState at the top, followed by City.
- C. In the Legend field, add Countr
- D. In the Axis field, add ProvState at the top, followed by City.
- E. In the Axis field, add Country at the top, followed by ProvState, and then City.
- F. In the Value field, add Country at the top, followed by ProvState, and then City.

Answer: C

Explanation:

References:

<https://docs.microsoft.com/en-us/power-bi/guided-learning/visualizations#step-18> <https://docs.microsoft.com/en-us/power-bi/power-bi-visualization-drill-down>

NEW QUESTION 74

- (Exam Topic 4)

You maintain a Power BI workspace that contains a supplier quality dashboard. The dashboard contains 10 card visuals, two map visuals and five bar chart visuals.

The dashboard mobile layout is shown in the exhibit. (Click the Exhibit tab.)

You need to modify the dashboard mobile layout to meet the following requirements:

- Only show single-value visuals.
- Minimize scrolling. What should you do?

- A. Remove the card visual, increase the size of the map and bar chart visuals
- B. Decrease the size of the map and bar chart visuals Move all the card visuals to the top of the layout.
- C. Move the bar chart visuals to the top of the layout Remove the map visual
- D. Decrease the size of the card visuals.
- E. Decrease the size of the card visual
- F. Remove the map and bar chart visuals.

Answer: D

NEW QUESTION 79

- (Exam Topic 4)

You need to create a visualization that compares revenue and cost over time. Which type of visualization should you use?

- A. stacked area chart
- B. donut chart

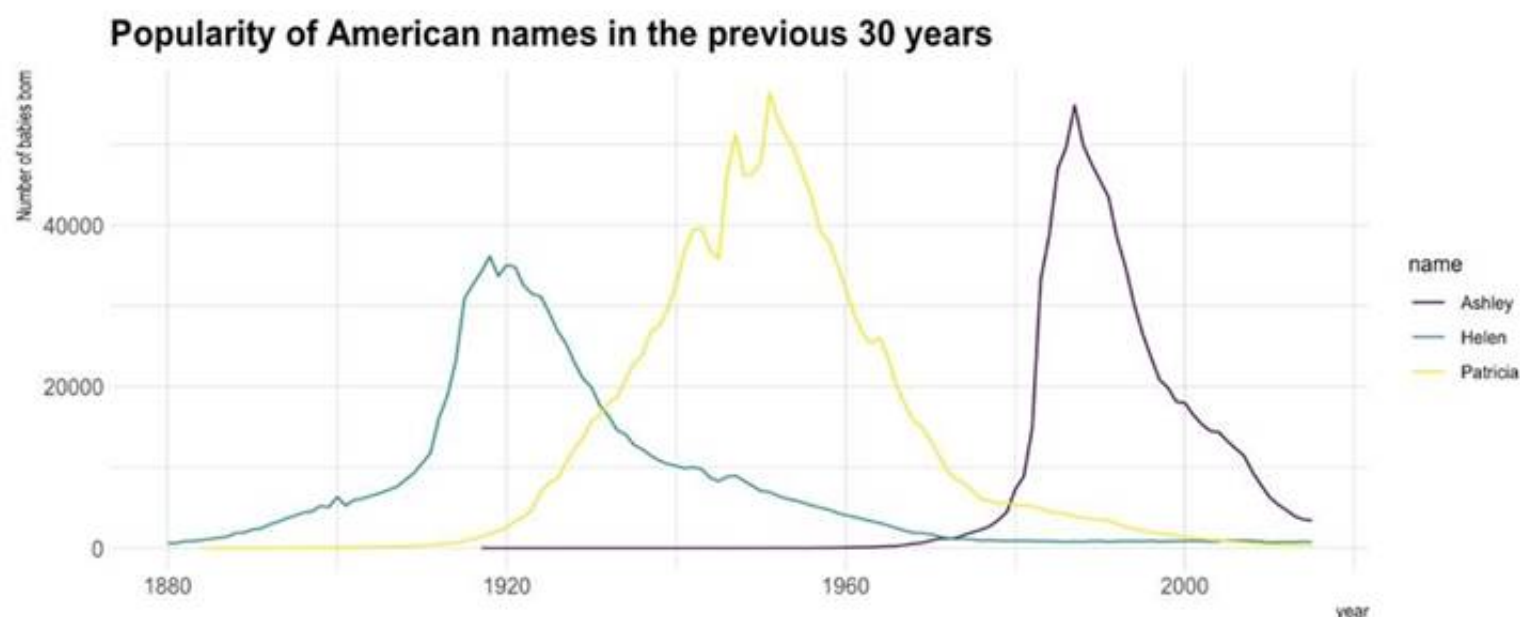
- C. line chart
- D. waterfall chart

Answer: C

Explanation:

A line chart or line graph displays the evolution of one or several numeric variables. Data points are connected by straight line segments. A line chart is often used to visualize a trend in data over intervals of time – a time series – thus the line is often drawn chronologically.

Example:



Reference:

<https://www.data-to-viz.com/graph/line.html>

NEW QUESTION 81

- (Exam Topic 4)

The table has the following columns.

Name	Sample value
Date	2022-06-01
Year	2022
Month Number	6
Month Name	June
Year Month	2022 Jun

You need to add a column that will be used to sort the Year Month column chronologically.

Month Year Sort = [Year] +

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer as.

Graphical user interface, application Description automatically generated

NEW QUESTION 83

- (Exam Topic 4)

You have a collection of reports for the HR department of your company. The datasets use row-level security (RLS). The company has multiple sales regions that each has an HR manager. You need to ensure that the HR managers can interact with the data from their region only. The HR managers must be prevented from changing the layout of the reports. How should you provision access to the reports for the HR managers?

- A. Create a new workspace, copy the datasets and reports, and add the HR managers as members of the workspace.
- B. Publish the reports to a different workspace other than the one hosting the datasets.
- C. Publish the reports in an app and grant the HR managers access permission.
- D. Add the HR managers as members of the existing workspace that hosts the reports and the datasets.

Answer: C

Explanation:

Note: Row-level security (RLS) with Power BI can be used to restrict data access for given users. Filters restrict data access at the row level, and you can define filters within roles. In the Power BI service, members of a workspace have access to datasets in the workspace. RLS doesn't restrict this data access.

Reference:

<https://docs.microsoft.com/en-us/power-bi/admin/service-admin-rls>

NEW QUESTION 88

- (Exam Topic 4)

You are configuring a Microsoft Power BI data model to enable users to ask natural language questions by using Q&A. You have a table named Customer that has the following measure.

Customer Count = DISTINCTCOUNT(Customer[CustomerID]) Users frequently refer to customers as subscribers.

You need to ensure that the users can get a useful result for "subscriber count" by using Q&A. The solution must minimize the size of the model.

What should you do?

- A. Add a description of "subscriber count" to the Customer Count measure.
- B. Set Summarize By to None for the CustomerID column.
- C. Add a description of "Subscriber" to the Customer table.
- D. Add a synonym of "subscriber" to the Customer table.

Answer: B

Explanation:

You can add synonyms to tables and columns.

Note: This step applies specifically to Q&A (and not to Power BI reports in general). Users often have a variety of terms they use to refer to the same thing, such as total sales, net sales, total net sales. You can add these synonyms to tables and columns in the Power BI model.

This step applies specifically to Q&A (and not to Power BI reports in general). Users often have a variety of terms they use to refer to the same thing, such as total sales, net sales, total net sales. You can add these synonyms to tables and columns in the Power BI model.

Reference:

<https://docs.microsoft.com/en-us/power-bi/natural-language/q-and-a-best-practices>

NEW QUESTION 90

- (Exam Topic 4)

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 are modeling data by using Microsoft Power BI. Part of the data model is a large Microsoft SQL Server table named Order that has more than 100 million records.

During the development process, you need to import a sample of the data from the Order table. Solution: You write a DAX expression that uses the FILTER function.

Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

The filter is applied after the data is imported. Instead add a WHERE clause to the SQL statement. Reference:

<https://docs.microsoft.com/en-us/power-bi/connect-data/service-gateway-sql-tutorial>

NEW QUESTION 95

- (Exam Topic 4)

You have a dataset that has the permissions shown in the following exhibit.

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Answer Area

Users in the finance group can [answer choice] the dataset.

assign sensitivity labels to
use Analyze in Excel with
delete

Users in the corp group can [answer choice] the dataset.

grant the Build permission for
grant the Read permission for
remove a table from

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Users in the finance group can [answer choice] the dataset.

- assign sensitivity labels to
- use Analyze in Excel with
- delete

Users in the corp group can [answer choice] the dataset.

- grant the Build permission for
- grant the Read permission for
- remove a table from

NEW QUESTION 97

- (Exam Topic 4)

Your company has affiliates who help the company acquire customers.

You build a report for the affiliate managers at the company to assist them in understanding affiliate performance.

The managers request a visual showing the total sales value of the latest 50 transactions for each affiliate. You have a data model that contains the following tables.

Table name	Column name
Transactions	TransactionDate
	ItemsOrdered
	Amount
	AffiliateID
	TransactionID
Affiliate	AffiliateID
	Name

You need to develop a measure to support the visual.

How should you complete the DAX expression? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

Revenue Last 50 Transactions =

- CALCULATE
- CONCATENATEX
- SUM
- SUMX
- TOPN

- CALCULATE
- CONCATENATEX
- SUM
- SUMX
- TOPN

- CALCULATE
- CONCATENATEX
- SUM
- SUMX
- TOPN

- TransactionID]
- [Amount],
- [ItemsOrdered],
- [TransactionDate],

DESC)

)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: CALCULATE

Start with CALCULATE and use a SUMX.

CALCULATE evaluates an expression in a modified filter context. Box 2: SUM

Box 3: TOPN

TOPN returns the top N rows of the specified table. Box 4: [TransactionDate]

TOPN Syntax: TOPN(<n_value>, <table>, <orderBy_expression>, [<order>[, <orderBy_expression>, [<order>]]...])

The orderBy_expression: Any DAX expression where the result value is used to sort the table and it is evaluated for each row of table.

Reference:

<https://docs.microsoft.com/en-us/dax/topn-function-dax>

NEW QUESTION 99

- (Exam Topic 4)

You have sales data in a star schema that contains four tables named Sales, Customer, Date, and Product. The Sales table contains purchase and ship dates. Most often, you will use the purchase date to analyze the data, but you will analyze the data by both dates independently and together.

You need to design an imported dataset to support the analysis. The solution must minimize the model size and the number of queries against the data source. Which data modeling design should you use?

- A. Use the Auto Date/Time functionality in Microsoft Power BI and do NOT import the Date table.
- B. Duplicate the Date query in Power Query and use active relationships between both Date tables.
- C. On the Date table, use a reference query in Power Query and create active relationships between Sales and both Date tables in the modeling view.
- D. Create an active relationship between Sales and Date for the purchase date and an inactive relationship for the ship date.

Answer: D

Explanation:

Only one relationship can be active.

Note: If you query two or more tables at the same time, when the data is loaded, Power BI Desktop attempts to find and create relationships for you. The relationship options Cardinality, Cross filter direction, and Make this relationship active are automatically set.

Reference:

<https://docs.microsoft.com/en-us/power-bi/transform-model/desktop-create-and-manage-relationships>

NEW QUESTION 101

- (Exam Topic 4)

You have more than 100 published datasets.

Ten of the datasets were verified to meet your corporate quality standards.

You need to ensure that the 10 verified datasets appear at the top of the list of published datasets whenever users search for existing datasets.

What should you do?

- A. Publish the datasets in an app.
- B. Promote the datasets.
- C. Feature the dataset on the home page.
- D. Certify the datasets.

Answer: A

NEW QUESTION 106

- (Exam Topic 4)

You have a report that contains three pages. One of the pages contains a KPI visualization. You need to filter all the visualizations in the report except for the KPI visualization. Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Add the same slicer to each page and configure Sync slicers.
- B. Edit the interactions of the KPI visualization.
- C. Configure a page-level filter.
- D. Edit the interactions of the slicer that is on the same page as the KPI visualization.
- E. Configure a report-level filter.

Answer: AD

Explanation:

Slicers are another way of filtering. They narrow the portion of the dataset that is shown in the other report visualizations.

By default, slicers on report pages affect all the other visualizations on that page, including each other. Use visual interactions to exclude some page visualizations from being affected by others.

Reference:

<https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-slicers>

NEW QUESTION 111

- (Exam Topic 4)

You are using the key influencers visual to identify which factors affect the quantity of items sold in an order. You add the following fields to the Explain By field:

- * Customer Country
- * Product Category
- * Supplier Country
- * Sales Employee
- * Supplier Name
- * Product Name
- * Customer City

The key influencers visual returns the results shown in the following exhibit.

Key influencers Top segments

What influences Quantity Per Order to Increase

When...

...the average of Quantity Per Order increases by

Customer City is Cunewalde

22.39

Customer City is Graz

22.21

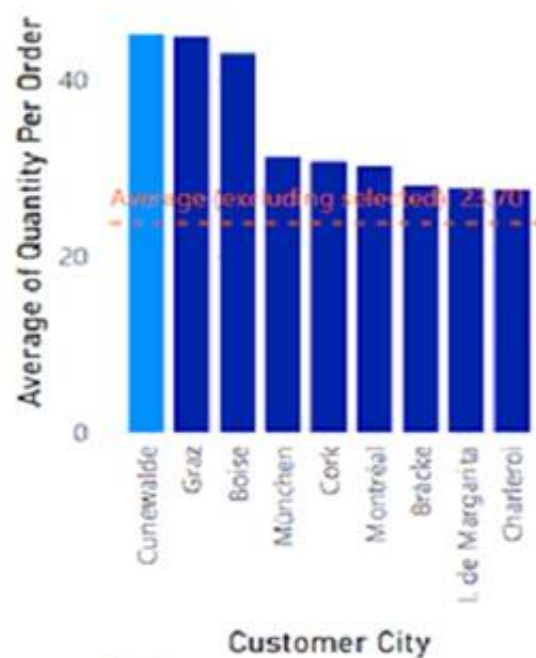
Customer City is Boise

20.37

Customer Country is Austria

18.8

Quantity Per Order is more likely to increase when Customer City is Cunewalde than otherwise (on average).



Only show values that are influencers

What can you identify from the visual?

- A. Customers in Austria order 18.8 more units than the average order quantity.
- B. Customers in Boise order 20.37 percent more than the average order quantity.
- C. Product Category positively influences the quantity per order.
- D. Customers in Cork order lower quantities than average.

Answer: A

NEW QUESTION 112

- (Exam Topic 4)

You have a Power BI report named Report1 and a dashboard named Dashboard1. Report1 contains a line chart named Sales by month.

You pin the Sales by month visual to Dashboard1.

In Report1, you change the Sales by month visual to a bar chart. You need to ensure that the bar chart displays on Dashboard1. What should you do?

- A. Refresh the dataset used by Report1 and Dashboard1.
- B. Select Refresh visuals for Dashboard1.
- C. Edit the details for the dashboard tile Of Dashboard1.
- D. Pin the Sales by month bar chart to Dashboard1.

Answer: A

NEW QUESTION 113

- (Exam Topic 4)

You build a report to analyze customer transactions from a database that contains the tables shown in the following table.

Table name	Column name
Customer	CustomerID (primary key)
	Name
	State
	Email
Transaction	TransactionID (primary key)
	CustomerID (foreign key)
	Date
	Amount

You import the tables.

Which relationship should you use to link the tables?

- A. one-to-many from Customer to Transaction
- B. one-to-one between Customer and Transaction
- C. one-to-many from Transaction to Customer
- D. many-to-many between Customer and Transaction

Answer: A

Explanation:

Each customer can have many transactions.

For each transaction there is exactly one customer.

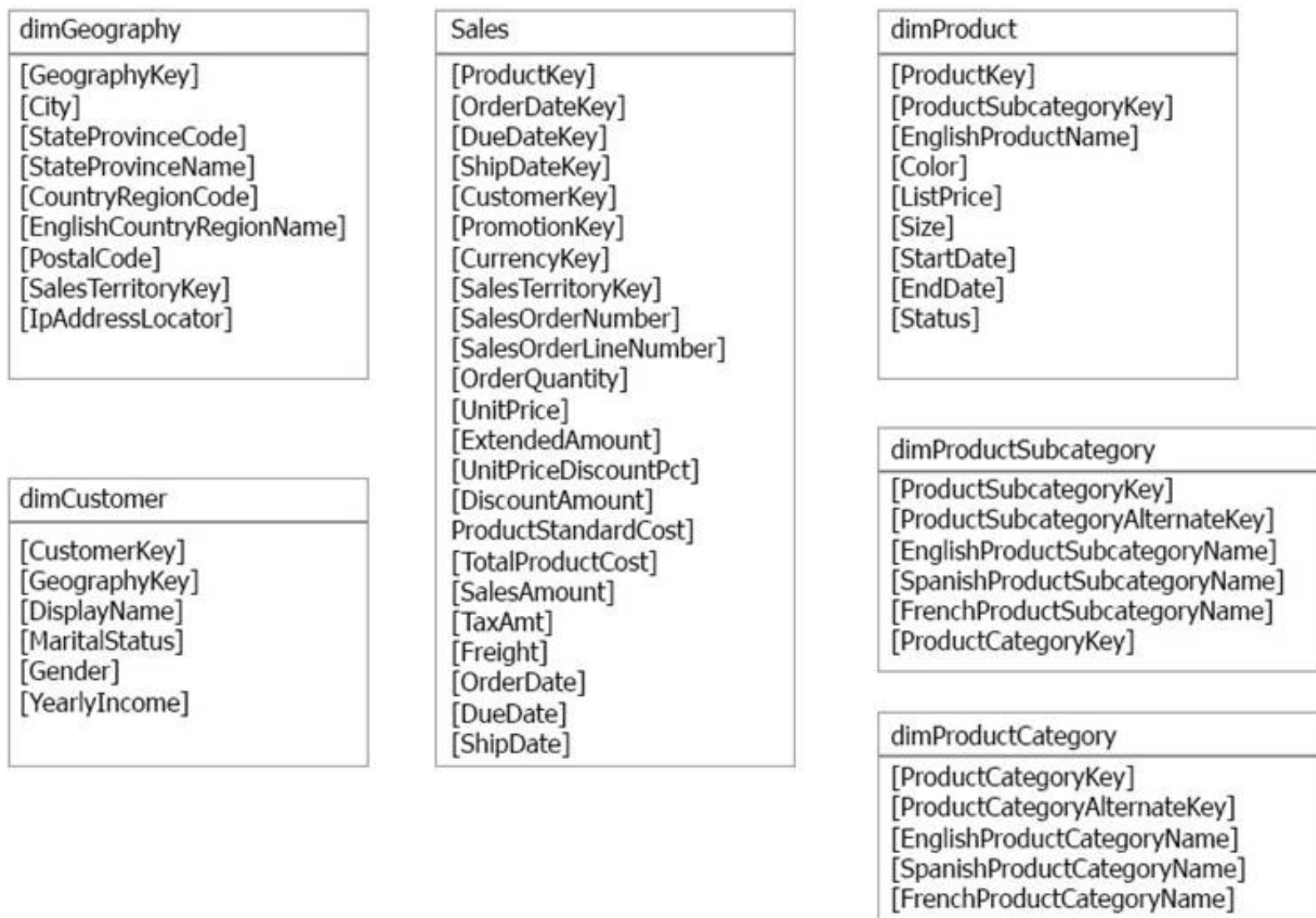
NEW QUESTION 114

- (Exam Topic 4)

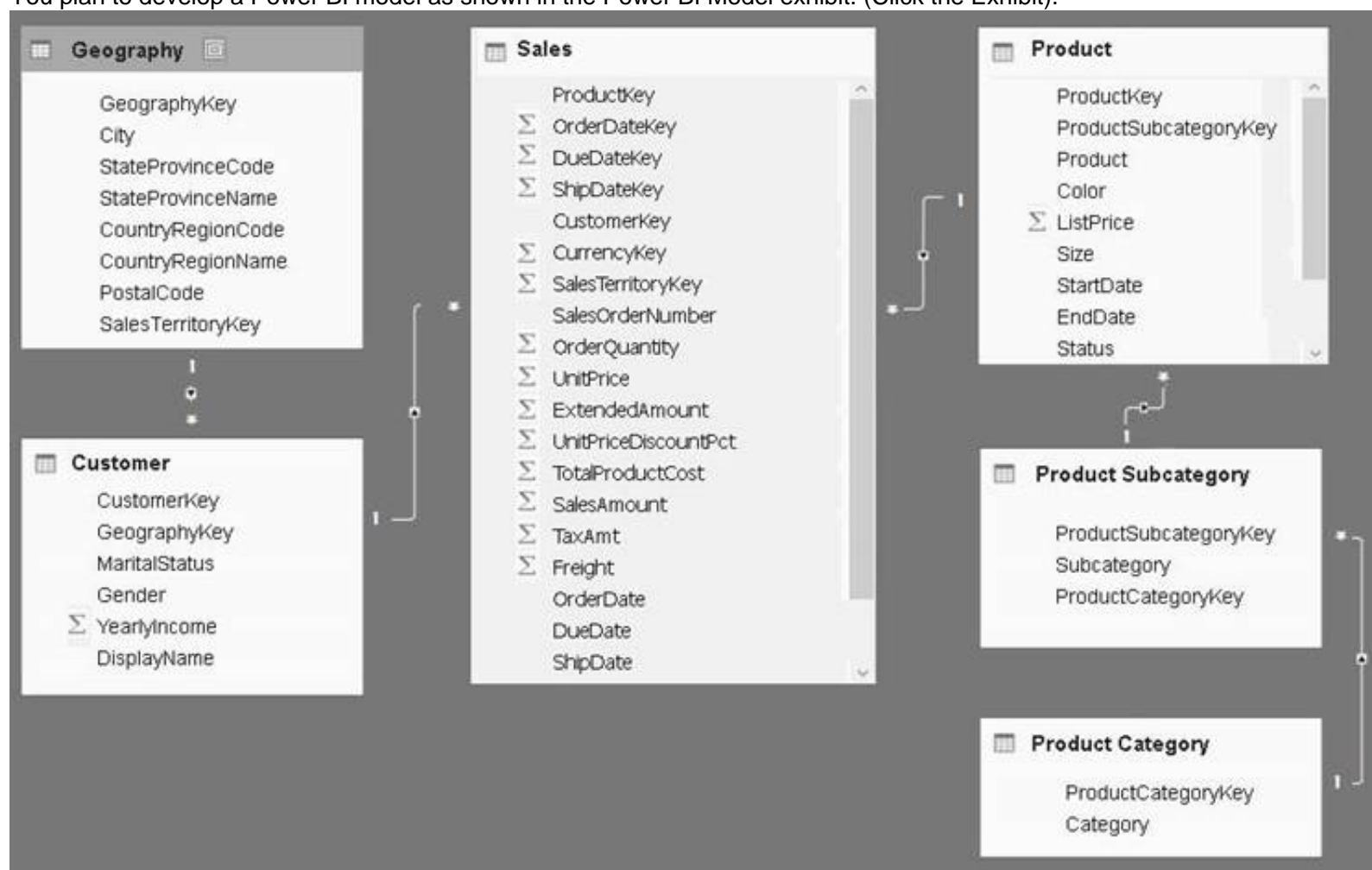
Note: This question is a part of a series of questions that present the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is exactly the same in each question in this series.

Start of repeated scenario

You have a Microsoft SQL Server database that has the tables shown in the Database Diagram exhibit. (Click the Exhibit.)



You plan to develop a Power BI model as shown in the Power BI Model exhibit. (Click the Exhibit).



You plan to use Power BI to import data from 2013 to 2015. Product Subcategory [Subcategory] contains NULL values. End of repeated scenario.

You implement the Power BI model.

You need to add a new column to the Product Subcategory table that uses the following formula.

=if [Subcategory] =null then "NA" else [Subcategory] Which command should you use in Query Editor?

A. Column From Examples

- B. Custom Column
- C. Invoke Custom Function
- D. Conditional Column

Answer: D

Explanation:

References:
<http://community.powerbi.com/t5/Desktop/if-then-else/td-p/117999>

NEW QUESTION 116

- (Exam Topic 4)

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 create a parameter named DataSourceExcel that holds the file name and location of a Microsoft Excel data source.

You need to update the query to reference the parameter instead of multiple hard-coded copies of the location within each query definition.

Solution: You create a new query that references DataSourceExcel. Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead modify the source step of the queries to use DataSourceExcel as the file path.

Note: Parameterising a Data Source could be used in many different use cases. From connecting to different data sources defined in Query Parameters to load different combinations of columns.

Reference:
<https://www.biinsight.com/power-bi-desktop-query-parameters-part-1/>

NEW QUESTION 118

- (Exam Topic 4)

You manage a Power BI model has a table named Sales and product.

You need to ensure that a sales team can view only data that has a CountryRegionName value of United States and a ProductCategory value of Clothing.

What should you do from Power BI Desktop?

- A. From Power BI Desktop, create a new role that has the following filter.[countryRegionName]= "United States" && [ProductCategory]= "Clothing"
- B. Add the following filters in Query Editor.CountryRegionName is United StatesProductCategory is Clothing
- C. From Power BI Desktop, create a new role that has the following filters.[CountryRegionName]= "United States"
- D. Add the following filters to a report.CountryRegionName is United SatesProductCategory is Clothing

Answer: D

Explanation:

References: <https://docs.microsoft.com/en-us/power-bi/power-bi-how-to-report-filter>

NEW QUESTION 123

- (Exam Topic 4)

You need to design the data model to meet the report requirements. What should you do m Power BI Desktop?

- A. From Power Query, add columns to the Orders table to calculate the calendar quarter and the calendar month of the OrderDate column.
- B. From Power Bi Desktop, use the Auto date/time option when creating the reports.
- C. From Power Query, add a date tabl
- D. Create an active relationship to the OrderDate column in the Orders table and an inactive relationship to the ShippedDate column in the Orders table.
- E. From Power Query, use a DAX expression to add columns to the Orders table to calculate the calendar quarter of the OrderDate column, the calendar month of the OrderDate column, the calendar quarter of the ShippedDate column, and the calendar month of the ShippedDate column

Answer: B

NEW QUESTION 127

- (Exam Topic 4)

You have a PBiX file that imports several tables from an Azure SQL database. The data will be migrated to another Azure SQL database.

You need to change the connections in the PBIX file. The solution must minimize administrative effort. What should you do?

- A. From Power Query Editor, modify the source of each query.
- B. Create a PBIT file, open the file, and change the data sources when prompted
- C. From Power Query Editor, create new queries.
- D. Modify the Data source settings.

Answer: D

NEW QUESTION 130

- (Exam Topic 4)

You have a Microsoft SharePoint Online site that contains several document libraries. One of the document libraries contains manufacturing reports saved as Microsoft Excel files. All the manufacturing reports have the same data structure.

You need to load only the manufacturing reports to a table for analysis. What should you do in Microsoft Power BI Desktop?

- A. Get data from a SharePoint Online folder, enter the site URL, and then select Combine & Load.
- B. Get data from a SharePoint Online list and enter the site UR
- C. Edit the query and filter by the path to the manufacturing reports library.
- D. Get data from a SharePoint Online folder and enter the site UR
- E. Edit the query and filter by the path to the manufacturing reports library.
- F. Get data from a SharePoint Online list, enter the site URL, and then select Combine & Load.

Answer: B

Explanation:

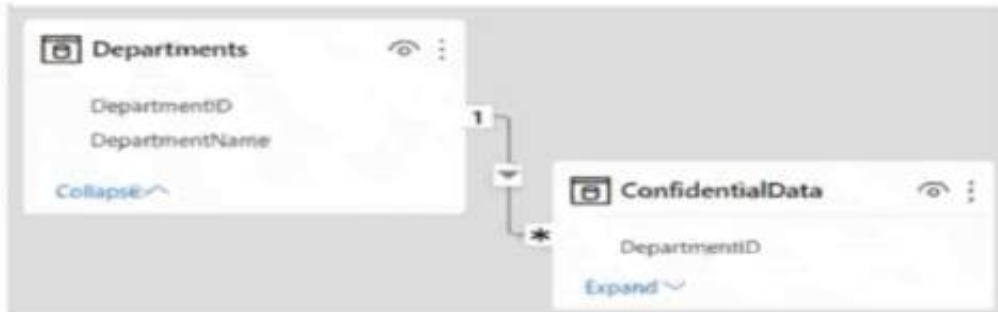
We have to import Excel files from SharePoint, so we need the connector SharePoint folder which is used to get access to the files stored in the library. SharePoint list is a collection of content that has rows and columns (like a table) and is used for task lists, calendars, etc. Since we have to filter only on manufacturing reports, we have to select Transform and then filter by the corresponding folder path.

<https://docs.microsoft.com/en-us/power-query/connectors/sharepointlist>

NEW QUESTION 133

- (Exam Topic 4)

You have the Power BI model shown in the following exhibit.



There are four departments in the Departments table.

You need to ensure that users can see the data of their respective department only. What should you do?

- A. Create a row-level security (RLS) role for each department, and then define the membership of the role.
- B. Create a DepartmentID parameter to filter the Departments table.
- C. To the ConfidentialData table, add a calculated measure that uses the currentgroup DAX function.
- D. Create a slicer that filters Departments based on DepartmentID.

Answer: A

NEW QUESTION 138

- (Exam Topic 4)

You have sales data in a star schema that contains four tables named Sales, Customer, Date, and Product. The Sales table contains purchase and ship dates. Most often, you will use the purchase date to analyze the data, but you will analyze the data by both dates independently and together.

You need to design an imported dataset to support the analysis. The solution must minimize the model size and the number of queries against the data source. Which data modeling design should you use?

- A. Use the Auto Date/Time functionality in Microsoft Power BI and do NOT import the Date table.
- B. Duplicate the Date query in Power Query and create active relationships between Sales and both Date tables in the modeling view.
- C. On the Date table, use a reference query in Power Query and create active relationships between Sales and both Date tables in the modeling view.
- D. Import the Date table twice in Power Query and create active relationships between Sales and both Date tables in the modeling view.

Answer: D

Explanation:

Microsoft recommends defining active relationships whenever possible. They widen the scope and potential of how your model can be used by report authors, and users working with Q&A.

Refactoring methodology (example): Here's a methodology to refactor a model from a single role-playing dimension-type table, to a design with one table per role.

- Remove any inactive relationships.
- Consider renaming the role-playing dimension-type table to better describe its role. In the example, the Airport table is related to the ArrivalAirport column of the Flight table, so it's renamed as Arrival Airport.
- Create a copy of the role-playing table, providing it with a name that reflects its role. If it's an Import table, we recommend defining a calculated table. If it's a DirectQuery table, you can duplicate the Power Query query.

Only one relationship can be active.

Note: If you query two or more tables at the same time, when the data is loaded, Power BI Desktop attempts to find and create relationships for you. The relationship options Cardinality, Cross filter direction, and Make this relationship active are automatically set.

Reference:

<https://docs.microsoft.com/en-us/power-bi/transform-model/desktop-create-and-manage-relationships> <https://docs.microsoft.com/en-us/power-bi/guidance/relationships-active-inactive>

NEW QUESTION 143

- (Exam Topic 4)

You have two Power BI reports named ReportA and ReportB that each uses a distinct color palette. You are creating a Power BI dashboard that will include two visuals from each report

You need to use a consistent dark theme for the dashboard. The solution must preserve the original colors of the reports.

Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Upload a snapshot.
- B. Select the dark dashboard theme.
- C. Turn on tile flow.
- D. When pinning visuals to the dashboard, select Use destination theme.

E. For the browser, set the color preference to dark mode.

Answer: DE

NEW QUESTION 145

- (Exam Topic 4)

You are creating reports in Power BI Desktop. The model has the following tables.

Table name	Column name	Data type
Order	Order_date	Datetime
	Order_amount	Float
	Customer_ID	Integer
Customer	Customer_ID	Integer
	Full_name	Varchar(100)
	Customer_Photo	Binary

There is a relationship between the tables.

You plan to publish a report to the Power BI service that displays Order_amount by Order_date by Full_name. You need to ensure that only the columns required for the report appear in Report View. The solution must minimize the size of the dataset that is published.

How should you configure the columns in Power BI Desktop? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Customer_ID:

From Query Editor, select the column and click Remove Columns.

From Query Editor, select the column and click Remove Duplicates.

From Query Editor, select the column and click Remove Other Columns.

From the model, select the column and click Hide.

Customer_Photo:

From Query Editor, select the column and click Remove.

From Query Editor, select the column and click Remove Duplicates.

From Query Editor, select the column and click Remove Other Columns.

From the model, select the column and click Hide.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Table Description automatically generated

NEW QUESTION 150

- (Exam Topic 4)

You use Power BI Desktop to load data from a Microsoft SQL Server database. While waiting for the data to load, you receive the following error.

```
ERROR [08001] timeout expired
```

You need to resolve the error.

What are two ways to achieve the goal? Each correct answer presents a complete solution NOTE: Each correct selection is worth one point.

- A. Split long running queries into subsets Of columns and use power Query to the queries
- B. Disable query folding on long running queries
- C. Reduce number of rows and columns returned by each query.
- D. Use Power Query to combine long running queries into one query.

Answer: BD

NEW QUESTION 154

- (Exam Topic 4)

You use Power BI Desktop to create a Power BI data model and a blank report You need to add the Word Cloud visual shown in the following exhibit to the report.



The solution must minimize development effort

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.

Actions

From Power BI Desktop, get the Word Cloud visual from Microsoft AppSource.

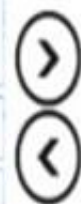
From a web browser, download the PBIVIZ file for the Word Cloud visual from Microsoft AppSource.

Format the data colors and title.

Populate the drillthrough fields.

Populate the Category, Value, and Excludes fields.

Answer Area



- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Actions

From Power BI Desktop, get the Word Cloud visual from Microsoft AppSource.

From a web browser, download the PBIVIZ file for the Word Cloud visual from Microsoft AppSource.

Format the data colors and title.

Populate the drillthrough fields.

Populate the Category, Value, and Excludes fields.

Answer Area

From a web browser, download the PBIVIZ file for the Word Cloud visual from Microsoft AppSource.



Populate the drillthrough fields.



Format the data colors and title.

NEW QUESTION 156

- (Exam Topic 4)

You have a CSV file that contains user complaints. The file contains a column named Logged that contains the date and time each complaint occurred. The data in Logged is in the following format: 2018-12-31 at 08:59.

You need to be able to analyze the complaints by the logged date and use a built-in date hierarchy. What should you do?

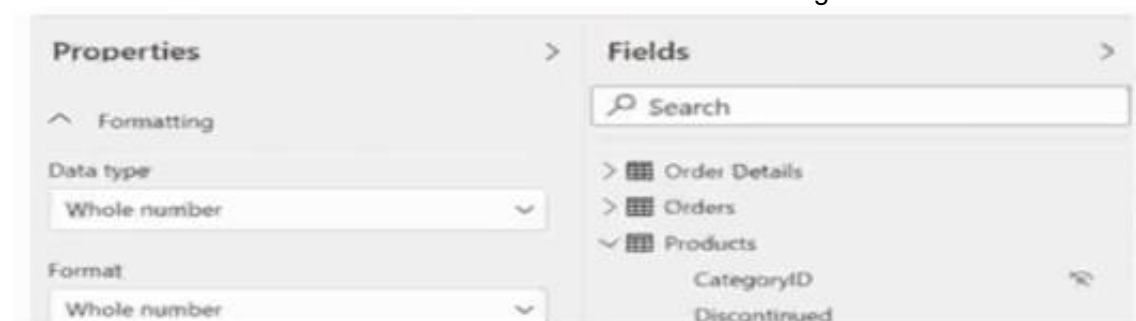
- Create a column by example that starts with 2018-12-31.
- Create a column by example that starts with 2018-12-31 and set the data type of the new column to Date
- Apply the parse function from the Date transformations options to the Logged column.
- Add a conditional column that outputs 2018 if the Logged column starts with 2018 and set the data type of the new column to Whole Number.

Answer: B

NEW QUESTION 158

- (Exam Topic 4)

You have a column named UnitsInStock as shown in the following exhibit



Properties

Formatting

Data type: Whole number

Format: Whole number

Fields

Search

Order Details

Orders

Products

CategoryID

Discontinued

Answer Area

When a table visual is created in a report and UnitsInStock is added to the values, there will be [answer choice] in the table.

0 rows
1 row
51 rows
75 rows

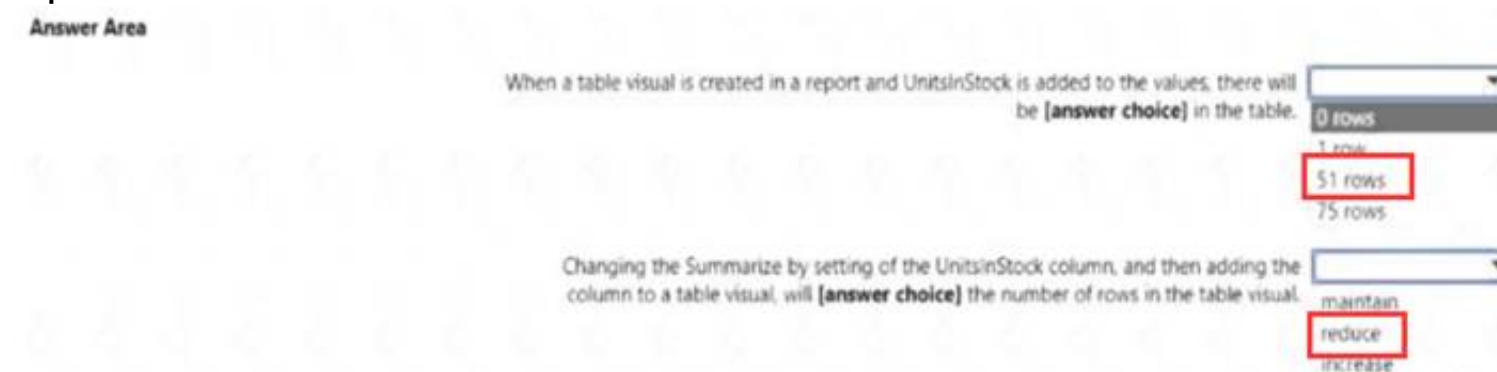
Changing the Summarize by setting of the UnitsInStock column, and then adding the column to a table visual, will [answer choice] the number of rows in the table visual.

maintain
reduce
increase

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



Answer Area

When a table visual is created in a report and UnitsInStock is added to the values, there will be [answer choice] in the table.

0 rows
1 row
51 rows
75 rows

Changing the Summarize by setting of the UnitsInStock column, and then adding the column to a table visual, will [answer choice] the number of rows in the table visual.

maintain
reduce
increase

NEW QUESTION 161

- (Exam Topic 4)

You create a report by using Microsoft Power BI Desktop.

The report uses data from a Microsoft SQL Server Analysis Services (SSAS) cube located on your company's internal network.

You plan to publish the report to the Power BI Service.

What should you implement to ensure that users who consume the report from the Power BI Service have the most up-to-date data from the cube?

- A. a subscription
- B. a scheduled refresh of the dataset
- C. an OData feed
- D. an On-premises data gateway

Answer: D

Explanation:

When you've created dynamic reports in Power BI Desktop, you can share them by publishing to your Power BI site. When you publish a Power BI Desktop file with a live connection to a tabular model to your Power BI site, an on-premises data gateway must be installed and configured by an administrator.

NEW QUESTION 163

- (Exam Topic 4)

You create a dashboard by using the Microsoft Power BI Service. The dashboard contains a card visual that shows total sales from the current year. You grant users access to the dashboard by using the viewer role on the workspace. A user wants to receive daily notifications of the number shown on the card visual. You need to automate the notifications. What should you do?

- A. Share the dashboard to the user.
- B. Create a subscription.
- C. Create a data alert.
- D. Tag the user in a comment.

Answer: C

Explanation:

You can subscribe yourself and your colleagues to the report pages, dashboards, and paginated reports that matter most to you. Power BI e-mail subscriptions allow you to:

- > Decide how often you want to receive the emails: daily, weekly, hourly, monthly, or once a day after the initial data refresh.
- >

Choose the time you want to receive the email, if you choose daily, weekly, hourly, or monthly. Note: Email subscriptions don't support most custom visuals. The one exception is those custom visuals that have been certified. Email subscriptions don't support R-powered custom visuals at this time. Reference: <https://docs.microsoft.com/en-us/power-bi/collaborate-share/service-report-subscribe> <https://docs.microsoft.com/en-us/power-bi/create-reports/service-set-data-alerts>

NEW QUESTION 165

- (Exam Topic 4)
You have a Power 31 data model that contains a table named Stores. The table has the following columns:
* Store Name
* Open Date
* Status
* State
* City
You need to create a calculated column named Active Store Name that meets the following requirements: see the explanation for answer.

Active Store Name = IF ([Status] = "A", [Store Name], "Inactive - " & [Store Name])

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Active Store Name = IF ([Status] = "A", [Store Name], "Inactive - " & [Store Name])

NEW QUESTION 168

- (Exam Topic 4)
You have two CSV files named Products and Categories. The Products file contains the following columns:
> ProductID
> ProductName
> SupplierID
> CategoryID

The Categories file contains the following columns:
> CategoryID
> CategoryName
> CategoryDescription

From Power BI Desktop, you import the files into Power Query Editor.
You need to create a Power BI dataset that will contain a single table named Product. The Product will table includes the following columns:
> ProductID
> ProductName
> SupplierID
> CategoryID
> CategoryName
> CategoryDescription

How should you combine the queries, and what should you do on the Categories query? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

Combine the queries by performing a:

Append

Merge

Transpose

On the Categories query:

Delete the query.

Disable the query load.

Exclude the query from report refresh.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Combine the queries by performing a:

Append
Merge
Transpose

On the Categories query:

Delete the query.
Disable the query load.
Exclude the query from report refresh.

NEW QUESTION 172

- (Exam Topic 4)

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 scenario, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have several reports and dashboards in a workspace.

You need to grant all organizational users read access to a dashboard and several reports. Solution: You assign all the users the Viewer role to the workspace. Does this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

The Viewer role gives a read-only experience to its users. They can view dashboards, reports, or workbooks in the workspace, but can't browse the datasets or dataflows. Use the Viewer role wherever you would previously use a classic workspace set to "Members can only view Power BI content".

Reference:

<https://powerbi.microsoft.com/en-us/blog/announcing-the-new-viewer-role-for-power-bi-workspaces/>

NEW QUESTION 173

- (Exam Topic 4)

You have a Power BI app named App1. The privacy for the App1 workspace is set to Private.

A user named User1 reports that App1 does not appear in the My organization AppSource. App1 appears in the My organization AppSource for your account.

You need to ensure that User sees App1 from the My organization AppSource. What should you do?

- A. From the app workspace, click Update app, configure the Content settings, and then click Update app.
- B. From the app workspace settings, add a member.
- C. From the app workspace, click Update app, configure the Access setting, and then click Update app.
- D. From the app workspace, share the dashboard.

Answer: C

Explanation:

References:

<https://docs.microsoft.com/en-us/power-bi/service-organizational-content-pack-introduction#what-is-appsource>

NEW QUESTION 175

- (Exam Topic 4)

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 Microsoft Excel workbook that is saved to Microsoft SharePoint Online. The workbook contains several Power View sheets.

You need to recreate the Power View sheets as reports in the Power BI service.

Solution: Copy the workbook to Microsoft OneDrive for Business. From Excel, click Publish to Power BI, and then click Upload

Does this meet the goal?

- A. Yes
- B. No

Answer: B

NEW QUESTION 179

- (Exam Topic 4)

You need to create a relationship in the dataset for RLS.

What should you do? To answer select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

Create a relationship between the Sales Employees table and the

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Create a relationship between the Sales Employees table and the

NEW QUESTION 180

- (Exam Topic 4)

What should you do to address the existing environment data concerns?

- A. a calculated column that uses the following formula: ABS(Sales[sales_amount])
- B. a measure that uses the following formula: SUMX(FILTER('Sales', 'Sales'[sales_amount] > 0)),[sales_amount])
- C. a measure that uses the following formula: SUM(Sales[sales_amount])
- D. a calculated column that uses the following formula: IF(ISBLANK(Sales[sales_amount]),0, (Sales[sales_amount]))

Answer: B

NEW QUESTION 184

- (Exam Topic 4)

You have a line chart that shows the number of employees in a department over time. You need to see the total salary costs of the employees when you hover over a data point. What is possible way to achieve this goal?

- A. Add a salary to the tooltips.
- B. Add a salary to the visual filters.
- C. Add salary to the drillthrough fields.

Answer: A

Explanation:

Reference:

<https://docs.microsoft.com/en-us/power-bi/create-reports/desktop-custom-tooltips> <https://technovids.com/power-bi-filters/>

NEW QUESTION 185

- (Exam Topic 4)

You are creating a Microsoft Power BI data model that has the tables shown in the following table.

Table name	Column name
Sales	SalesID
	ProductID
	DateKey
	SalesAmount
Products	ProductID
	ProductName
	ProductCategoryID
ProductCategory	ProductCategoryID
	CategoryName

The Products table is related to the ProductCategory table through the ProductCategoryID column.

You need to ensure that you can analyze sales by product category.

How should you configure the relationships from Products to ProductCategory? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Cardinality:

Cross-filter direction:

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

Box 1: One-to-many

Box 2: Both

For One-to-many relationships, the cross filter direction is always from the "one" side, and optionally from the "many" side (bi-directional).

Note:

Cardinality type	Cross filter options
One-to-many (or Many-to-one)	Single Both
One-to-one	Both
Many-to-many	Single (Table1 to Table2) Single (Table2 to Table1) Both

Reference:

<https://docs.microsoft.com/en-us/power-bi/transform-model/desktop-relationships-understand>

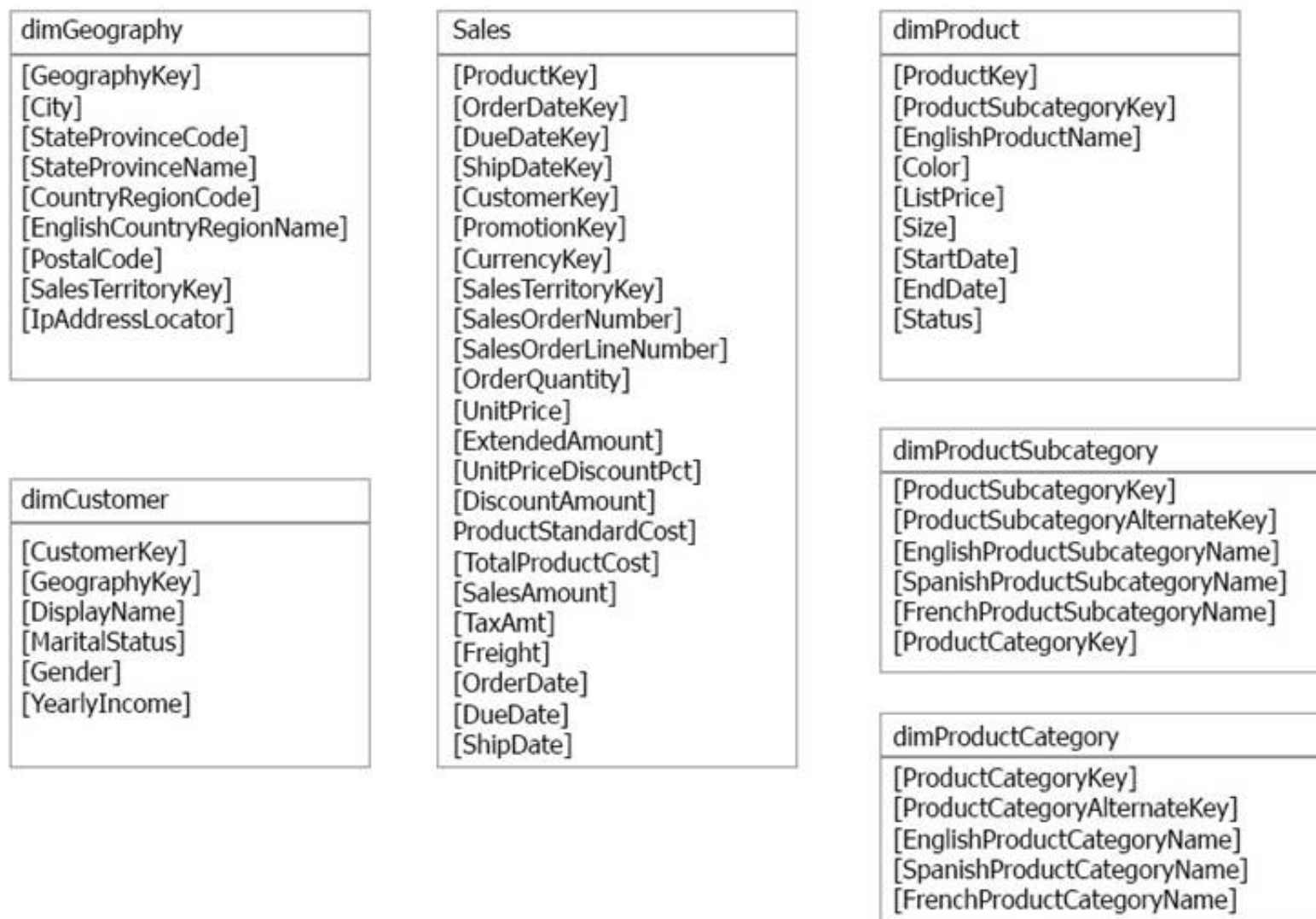
NEW QUESTION 190

- (Exam Topic 4)

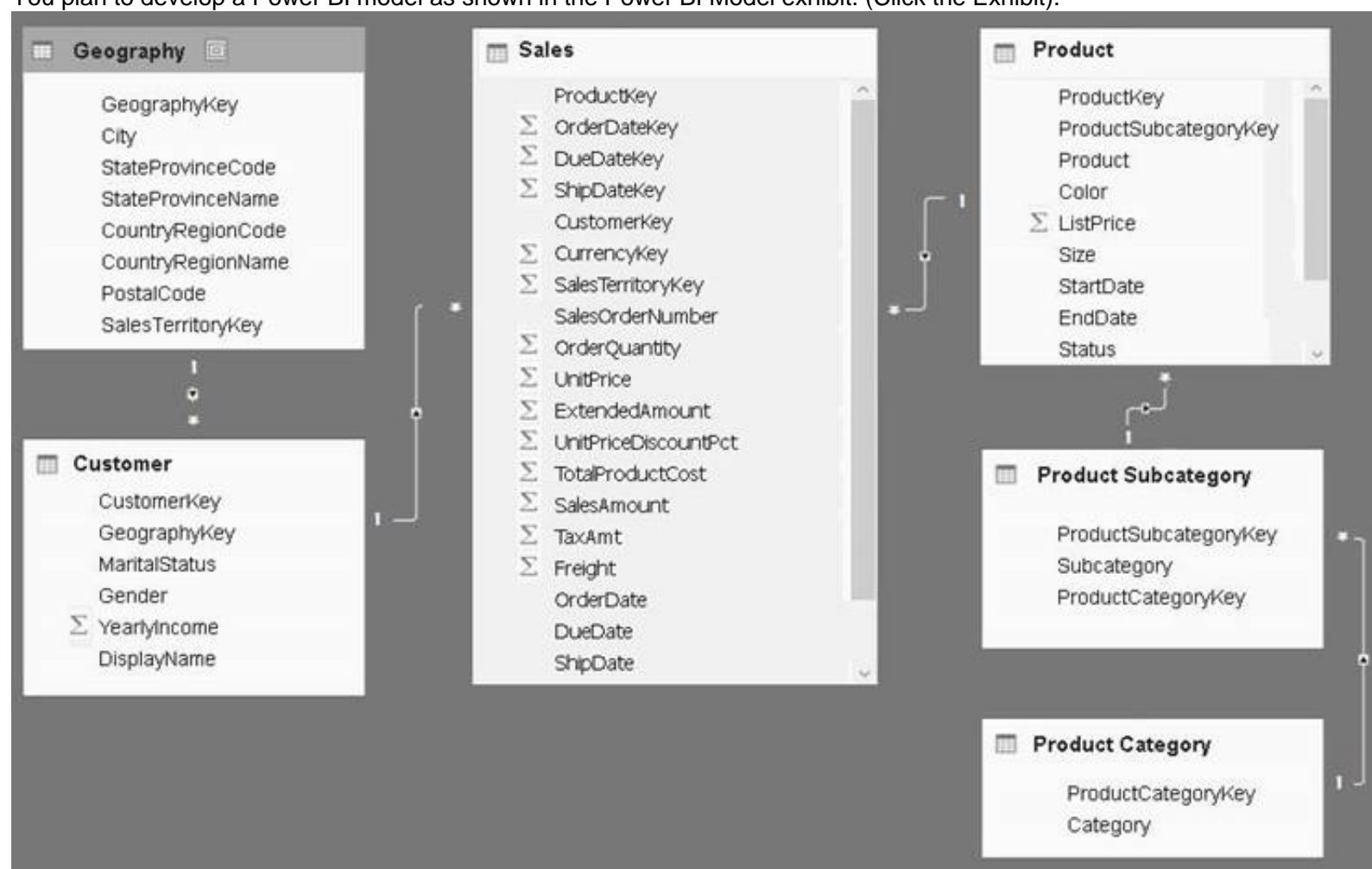
Note: This question is a part of a series of questions that present the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is exactly the same in each question in this series.

Start of repeated scenario

You have a Microsoft SQL Server database that has the tables shown in the Database Diagram exhibit. (Click the Exhibit.)



You plan to develop a Power BI model as shown in the Power BI Model exhibit. (Click the Exhibit).



You plan to use Power BI to import data from 2013 to 2015. Product Subcategory [Subcategory] contains NULL values. End of repeated scenario. You implement the Power BI model.

You add another table named Territory to the model. A sample of the data is shown in the following table.

TerritoryKey	TerritoryName
1	United States
1	USA
2	Canada
2	Can
3	United Kingdom
3	UK

You need to create a relationship between the Territory table and the Sales table. Which function should you use in the query for Territory before you create the relationship?

- A. Table.RemoveMatchingRows
- B. Table.Distinct

- C. Table.InDistinct
- D. Table.ReplaceMatchingRows

Answer: B

Explanation:

References: <https://msdn.microsoft.com/en-us/library/mt260775.aspx>

NEW QUESTION 195

- (Exam Topic 4)

What should you create to meet the reporting requirements of the sales department?

- A. a calculated column that uses the following formula: IF(ISBLANK(Sales[sales_amount]),0, (Sales[sales_amount]))
- B. a measure that uses the following formula: SUM(Sales[sales_amount])
- C. a measure that uses the following formula: SUMX(FILTER('Sales', 'Sales'[sales_amount] > 0)),[sales_amount])
- D. a calculated column that uses the following formula: ABS(Sales[sales_amount])

- A. Option A
- B. Option B
- C. option C
- D. Option D

Answer: C

NEW QUESTION 196

- (Exam Topic 4)

You have a Power BI report.

You need to create a calculated table to return the 100 highest spending customers.

How should you complete the DAX expression? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Top 100 Customers =

100,

ASC[
DESC(
FILTER(
SUMMARIZE[
TOPN(
100,
(FactTransaction,
FactTransaction[Customer ID],
"Sales",
SUM(FactTransaction[Sales]))],
[Sales],
ASC
DESC
FILTER
SUMMARIZE
TOPN

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: TOPN

TOPN returns the top N rows of the specified table. Box 2: SUMMARIZE

SUMMARIZE returns a summary table for the requested totals over a set of groups. Box 3: DESC

Sort in descending order.

It is last in the TOPN command. TOPN syntax:

TOPN(<n_value>, <table>, <orderBy_expression>, [<order>[, <orderBy_expression>, [<order>]]...]) Reference:

<https://docs.microsoft.com/en-us/dax/topn-function-dax>

https://docs.microsoft.com/en-us/dax/summarize-function-dax

NEW QUESTION 197

- (Exam Topic 4)

You build a report about warehouse inventory data. The dataset has more than 10 million product records from 200 warehouses worldwide. You have a table named Products that contains the columns shown in the following table.

Name	Sample data
ProductDescription	Bikes > Adventure Works > Mountain Bikes > Super Carbon Bike > 26in wheels 42in frame
ProductCategory	Bikes
Manufacturer	Adventure Works
ProductSubcategory	Mountain Bikes
ProductSpecification	26in wheels 42in frame

Warehouse managers report that it is difficult to use the report because the report uses only the product name in tables and visuals. The product name is contained within the ProductDescription column and is always the fourth value.
You need to modify the report to support the warehouse managers requirement to explore inventory levels at different levels of the product hierarchy. The solution must minimize the model size.
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.

Actions

Create a product hierarchy of Manufacturer, ProductSpecifications, ProductName, ProductSubcategory, and ProductCategory.

Replace the use of ProductDescription in the report with the product hierarchy.

Transform the ProductDescription column to contain only the text between the first and fourth > symbol.

Add the product hierarchy as an extra field in visuals where ProductDescription is used.

Add a column named ProductName that contains only the text between the third and fourth > symbol in the ProductDescription column.

Add a column named ProductName that contains all the text after the third > symbol in the ProductDescription column.

Create a product hierarchy of ProductCategory, ProductSubcategory, Manufacturer, ProductName, and ProductSpecifications.

Answer Area

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

Create a product hierarchy of Manufacturer, ProductSpecifications, ProductName, ProductSubcategory, and ProductCategory.

3 Replace the use of ProductDescription in the report with the product hierarchy

Transform the ProductDescription column to contain only the text between the first and fourth > symbol.

Add the product hierarchy as an extra field in visuals where ProductDescription is used.

1 Add a column named ProductName that contains only the text between the third and fourth > symbol in the ProductDescription column.

Add a column named ProductName that contains all the text after the third > symbol in the ProductDescription column.

2 Create a product hierarchy of ProductCategory, ProductSubcategory, Manufacturer, ProductName, and ProductSpecifications.

NEW QUESTION 200

- (Exam Topic 4)

You have a query that returns the data shown in the following exhibit.

	A ^B _C student	A ^B _C classes
1	Mike A	Math,English,Art
2	Sam B	Physics
3	Kathy S	English, Math

You need to configure the query to display the data as shown in the following exhibit.

	A ^B _C student	A ^B _C classes
1	Mike A	Math
2	Mike A	English
3	Mike A	Art
4	Sam B	Physics
5	Kathy S	English
6	Kathy S	Math

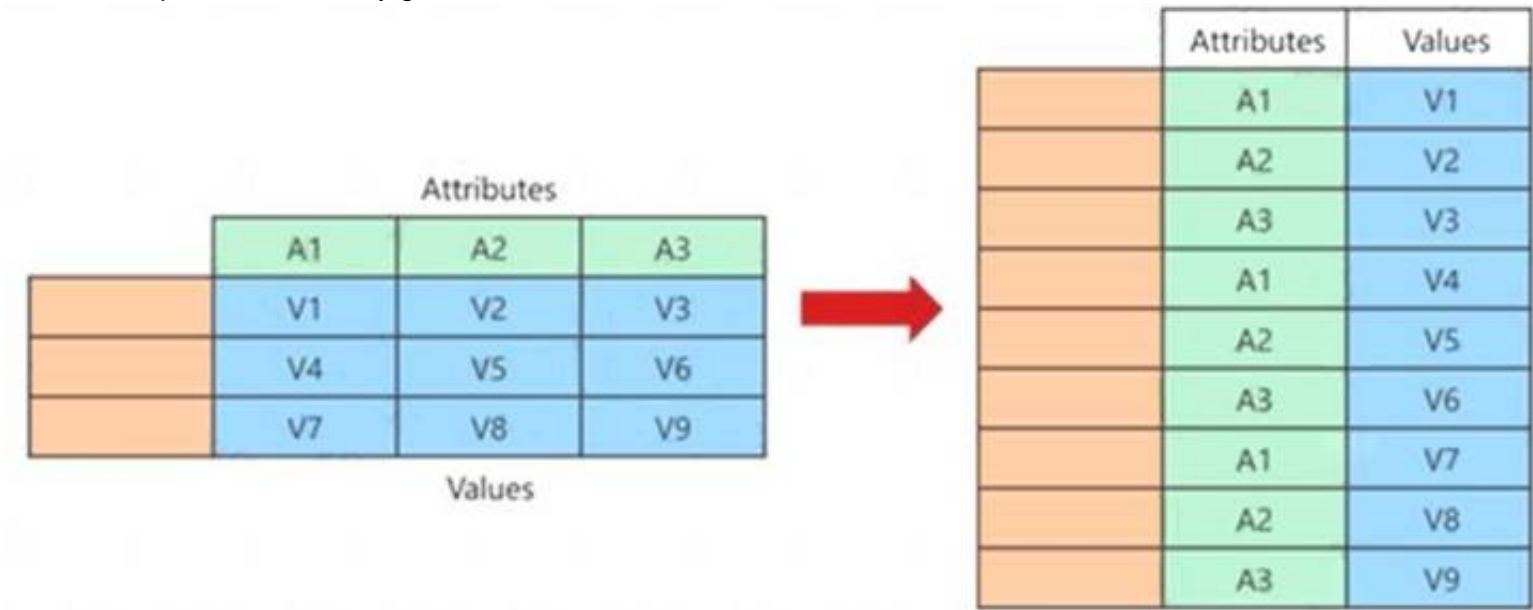
Which step should you use in the query?

- A. =Table.ExpandListColumn(Table.TransformColumnNames(Source, {"classes".Splitter.SplitTextByDelimiter(",", QuoteStyle.None), let itemType = (type nullable text) meta [Serialized.Text = true] in type {itemType}}), "classes")
- B. = Table.Unpivot(Source, {"classes"}, "Attribute", "Value")
- C. = Table.SplitColumn(Source, "classes". Splitter.SplitTextByDelimiterf",", QuoteStyle.None),{"classes.1"})
- D. = Table.SplitColumn(Source, "classes". Splitter.SplitTextByPositions({10}), {"classes.1"})

Answer: B

Explanation:

Power Query Unpivot columns: You might want to unpivot data, sometimes called flattening the data, to put it in a matrix format so that all similar values are in one column. This is necessary, for example, to create a chart or a report.
Chart Description automatically generated



Note:
Syntax: Table.Unpivot(table as table, pivotColumns as list, attributeColumn as text, valueColumn as text) as table
Table.Unpivot translates a set of columns in a table into attribute-value pairs, combined with the rest of the values in each row.
Reference:
<https://docs.microsoft.com/en-us/power-query/unpivot-column> <https://docs.microsoft.com/en-us/powerquery-m/table-unpivot>

NEW QUESTION 203

- (Exam Topic 4)

You build a report to help the sales team understand its performance and the drivers of sales. The team needs to have a single visualization to identify which factors affect success. Which type of visualization should you use?

- A. Key influences
- B. Funnel chart
- C. Q&A
- D. Line and clustered column chart

Answer: A

Explanation:

The key influencers visual helps you understand the factors that drive a metric you're interested in. It analyzes your data, ranks the factors that matter, and displays them as key influencers. The key influencers visual is a great choice if you want to:

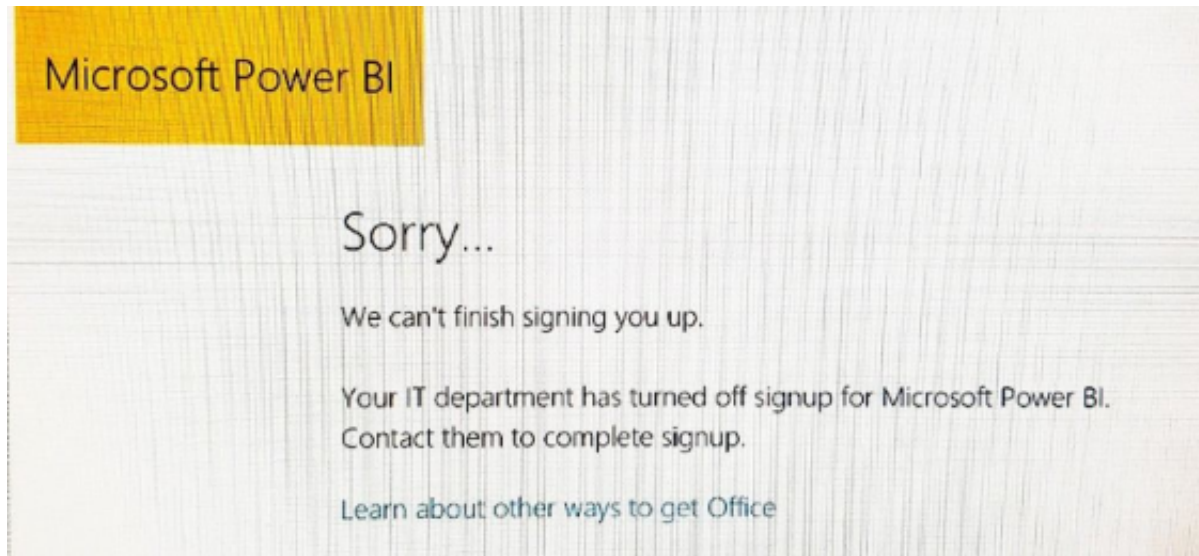
- > See which factors affect the metric being analyzed.
- > Contrast the relative importance of these factors. For example, do short-term contracts have more impact on churn than long-term contracts?

Reference:
<https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-influencers>

NEW QUESTION 206

- (Exam Topic 4)

Your organization has a team of power users who recently created 20 Power BI dashboards. The power users share the dashboards with other users in the organization. When the users attempt to access the dashboards, they receive the error message shown in the exhibit. (Click the Exhibit.)



You need to ensure that all the users can access the dashboards. What should you do first?

- A. From the Microsoft Office 365 Admin center, and the Power BI (free) subscription, and then assign a license to each user.
- B. From the Power BI Admin portal, modify the Privacy Settings.
- C. From the properties of each dashboard, modify the Share dashboard settings.
- D. Instruct each user to install Microsoft Office 2016.

Answer: A

Explanation:

References:

<http://www.nubo.eu/en/blog/2016/12/Enable-PowerBI-On-Office-365/>

NEW QUESTION 210

- (Exam Topic 4)

You need to create the On-Time Shipping report.

The report must include a visualization that shows the percentage of late orders. Which type of visualization should you create?

- A. scatterplot
- B. bar chart
- C. piechart

Answer: B

NEW QUESTION 214

- (Exam Topic 4)

You have a CSV file that contains user complaints. The file contains a column named Logged. Logged contains the date and time each complaint occurred. The data in Logged is in the following format:

at 08:59.

You need to be able to analyze the complaints by the logged date and use a built-in date hierarchy. D18912E1457D5D1DDCBD40AB3BF70D5D

What should you do?

- A. Change the data type of the Logged column to Date.
- B. Apply a transform to extract the last 11 characters of the Logged column and set the data type of the new column to Date.
- C. Create a column by example that starts with 2018-12-31 and set the data type of the new column to Date.
- D. Apply a transform to extract the first 11 characters of the Logged column.

Answer: C

NEW QUESTION 215

- (Exam Topic 4)

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 scenario, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have a clustered bar chart that contains a measure named Salary as the value and a field named Employee as the axis. Salary is present in the data as numerical amount representing US dollars.

You need to create a reference line to show which employees are above the median salary.

Solution: You create an average line by using the Salary measure. Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead create a percentile line by using the Salary measure and set the percentile to 50%.

Note: The 50th percentile is also known as the median or middle value where 50 percent of observations fall below.

Reference:

https://dash-intel.com/powerbi/statistical_functions_percentile.php

NEW QUESTION 218

- (Exam Topic 4)

You have two Azure SQL databases that contain the same tables and columns.

For each database, you create a query that retrieves data from a table named Customers.

You need to combine the Customer tables into a single table. The solution must minimize the size of the data model and support scheduled refresh in powerbi.com.

What should you do? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

Option to use to combine the Customer tables:

- Append Queries
- Append Queries as New
- Merge Queries
- Merge Queries as New

Action to perform on the original two SQL database queries:

- Delete the queries.
- Disable including the query in report refresh.
- Disable loading the query to the data model.
- Duplicate the queries.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text Description automatically generated with medium confidence

Box 1: Append Queries as New.

There are two primary ways of combining queries: merging and appending.

➤ When you have one or more columns that you'd like to add to another query, you merge the queries.

➤ When you have additional rows of data that you'd like to add to an existing query, you append the query.

Box 2: Disable loading the query to the data model

For every query that loads into model memory will be consumed. and Memory is our asset in the Model, less memory consumption leads to better performance in most of the cases. The best approach is to disable loading.

Reference:

<https://docs.microsoft.com/en-us/power-query/append-queries>

<https://community.powerbi.com/t5/Power-Query/Append-vs-Append-as-new-for-performance/td-p/1822710>

NEW QUESTION 222

- (Exam Topic 4)

You have a Power BI report for the marketing department. The report reports on web traffic to a blog and contains data from the following tables.

Table name	Source	Description	Column name
Posts	Blog RSS feed	An XML representation of all the blog posts from your company's website	<ul style="list-style-type: none"> Publish Date URL Title Full Text Summary
Traffic	Website logs	Activity data from your company's entire website	<ul style="list-style-type: none"> DateTime URL Visited IP Address Browser Agent Referring URL

There is a one-to-many relationship from Posts to Traffic that uses the URL and URL Visited columns. The report contains the visuals shown in the following table.

Name	Used field	Filter
Top 10 blog posts of all time	Posts[Title] Traffic[DateTime]	None
Top 10 blog posts from the last seven days	Posts[Title] Traffic[DateTime]	Traffic[DateTime] is in the last 7 days
Blog visits over time	Traffic[DateTime] Traffic[URL Visited]	Traffic[URL Visited] contains "blog"
Blog visits over time	Traffic[DateTime] Traffic[URL Visited]	Traffic[URL Visited] contains "blog"
Top 10 external referrals to the blog of all time	Traffic[Referring URL]	Traffic[URL Visited] contains "blog" AND Traffic[Referring URL] does not start with "/"

The dataset takes a long time to refresh.

You need to modify Posts and Traffic queries to reduce load times.

Which two actions will reduce the load times? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Remove the rows in Traffic in which Traffic [Referring URL] does not start with "/"

- B. Remove the rows in Posts in which Post [Publish Date] is in the last seven days.
- C. Remove Traffic [IP Address], Traffic (Browser Agent], and Traffic [Referring URL].
- D. Remove Posts [Full Text] and Posts [Summary].
- E. Remove the rows in Traffic in which Traffic [URL visited] does not contain "blog"

Answer: DE

NEW QUESTION 225

- (Exam Topic 4)

You have four sales regions. Each region has multiple sales managers.

You implement row-level security (RLS) in a data model. You assign the relevant distribution lists to each role.

You have sales reports that enable analysis by region. The sales managers can view the sales records of their region. The sales managers are prevented from viewing records from other regions.

A sales manager changes to a different region.

You need to ensure that the sales manager can see the correct sales data. What should you do?

- A. From Microsoft Power BI Desktop, edit the Row-Level Security setting for the reports.
- B. Change the Microsoft Power BI license type of the sales manager.
- C. Manage the permissions of the underlying dataset
- D. Request that the sales manager be added to the correct Azure Active Directory group.

Answer: D

Explanation:

Using AD Security Groups, you no longer need to maintain a long list of users.

All that you will need to do is to put in the AD Security group with the required permissions and Power BI will do the REST! This means a small and simple security file with the permissions and AD Security group.

Note: Configure role mappings

Once published to Power BI, you must map members to dataset roles.

Members can be user accounts or security groups. Whenever possible, we recommend you map security groups to dataset roles. It involves managing security group memberships in Azure Active Directory. Possibly, it delegates the task to your network administrators.

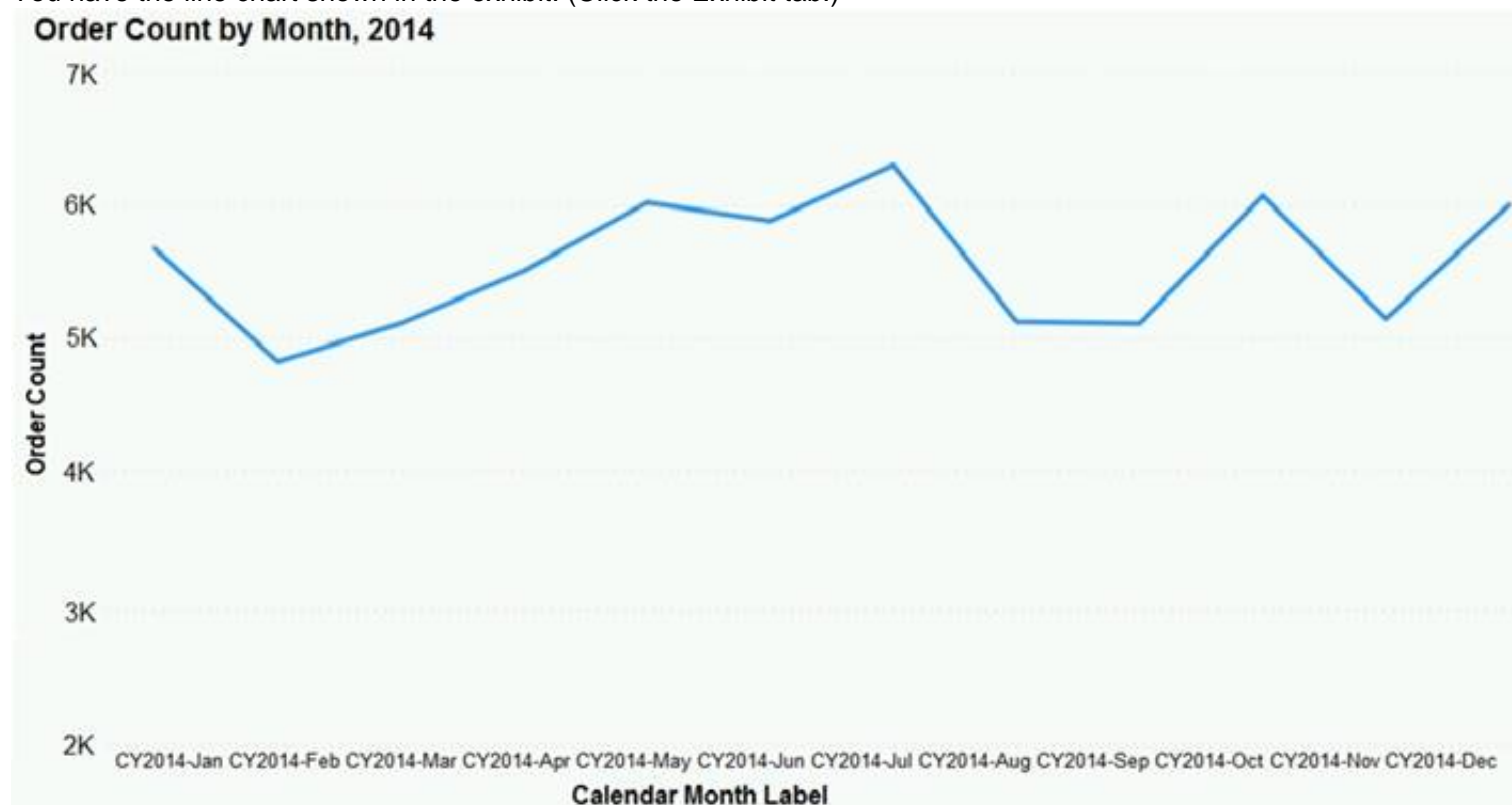
Reference:

<https://www.fourmoo.com/2018/02/20/dynamic-row-level-security-is-easy-with-active-directory-security-group> <https://docs.microsoft.com/en-us/power-bi/guidance/rls-guidance>

NEW QUESTION 228

- (Exam Topic 4)

You have the line chart shown in the exhibit. (Click the Exhibit tab.)



You need to modify the chart to meet the following requirements:

- Identify months that have order counts above the mean.
- Display the mean monthly order count.

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.

Actions

Answer Area

Create a 12-month rolling average quick measure and add the measure to the line chart value.

From the Analytics pane, add a Median line.

Select the line chart.

From the Analytics pane, add an Average line.

Turn on data labels for the new line.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- * 1. Select the line chart
- * 2. Add the average line
- * 3. Turn on Data Label

NEW QUESTION 231

- (Exam Topic 4)

You are creating a report in Power BI Desktop.

You load a data extract that includes a free text field named coll.

You need to analyze the frequency distribution of the string lengths in col1. The solution must not affect the size of the model.

What should you do?

- A. In the report, add a DAX calculated column that calculates the length of col1
- B. In the report, add a DAX function that calculates the average length of col1
- C. From Power Query Editor, add a column that calculates the length of col1
- D. From Power Query Editor, change the distribution for the Column profile to group by length for col1

Answer: D

Explanation:

From Power Query.. highlight the column.. from the tab view select Column Profile Option.. in the Value distribution section that appears below, from the 3dots.. you can change to group by text length distribution

NEW QUESTION 233

- (Exam Topic 4)

You are creating a Microsoft Power BI model that has two tables named CityData and Sales. CityData contains only the data shown in the following table.

State (CityData)	City	Population (million)
CA	Los Angeles	4.00
CA	San Francisco	0.90
New York	New York	8.50
WA	Seattle	0.70
WA	Spokane	0.20

Sales contains only the data shown in the following table.

State (Sales)	Type	Sales
CA	Internet	60
CA	Store	80
TX	Store	400
WA	Internet	150
WA	Store	100

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
In the Sales table, you can write a DAX expression that uses the RELATED() function to get data from the CityData table.	<input type="radio"/>	<input type="radio"/>
A DAX expression of sales total =CALCULATE(SUM(Sales[Sales]),ALL(Sales)) will produce the correct total sales value for each state, based on the data model.	<input type="radio"/>	<input type="radio"/>
A table visualization that uses CityData[State] and Sales[Sales] will contain sales from the state of TX.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Text Description automatically generated

Box 1: Yes

The Related function returns a related value from another table.

The RELATED function requires that a relationship exists between the current table and the table with related information. You specify the column that contains the data that you want, and the function follows an existing many-to-one relationship to fetch the value from the specified column in the related table. If a relationship does not exist, you must create a relationship.

Box 2: Yes

Box 3: No

TX only occurs in the Sales table, but not in the CityData table. Reference:

https://docs.microsoft.com/en-us/dax/related-function-dax https://docs.microsoft.com/en-us/dax/calculate-function-dax

NEW QUESTION 235

- (Exam Topic 4)

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 Microsoft Excel workbook that is saved to Microsoft SharePoint Online. The workbook contains several Power View sheets.

You need to recreate the Power View sheets as reports in the Power BI service.

Solution: From the Power BI service, get the data from SharePoint Online, and then click Connect Does this meet the goal?

- A. Yes
B. No

Answer: B

Explanation:

We need to click "Import", not "Connect". References:

https://docs.microsoft.com/en-us/power-bi/service-excel-workbook-files

NEW QUESTION 237

- (Exam Topic 4)

You are preparing a financial report in Power BI.

You connect to the data stored in a Microsoft Excel spreadsheet by using Power Query Editor as shown in the following exhibit.

	Column1	1.2 Column2	1.2 Column3	1.2 Column4	1.2 Column5	1.2 Column6
1	Measure	2016	2017	2018	2019	2020
2	Revenue	0.5	0.6	0.55	0.61	0.42
3	Overheads	0.11	0.330410907	0.167055779	0.360178153	0.183179995
4	Cost of Goods	0.204388253	0.165848321	0.25	0.17	0.109073918

You need to prepare the data to support the following:

- > Visualizations that include all measures in the data over time
- > Year-over-year calculations for all the measures

Which four 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.

Actions

Rename the Attribute column as Year

Rename the Measure column as Year

Use the first row as headers

Use headers as the first row

Unpivot all the columns other than Measure

Transpose the table

Change the data type of the Year column to Date

Answer Area



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

Rename the Attribute column as Year

Rename the Measure column as Year

Use the first row as headers

Use headers as the first row

Unpivot all the columns other than Measure

Transpose the table

Change the data type of the Year column to Date

Answer Area

Use the first row as headers

Unpivot all the columns other than Measure

Rename the Attribute column as Year

Change the data type of the Year column to Date



NEW QUESTION 241

- (Exam Topic 4)

You need to create a Power BI report. The first page of the report must contain the following two views:

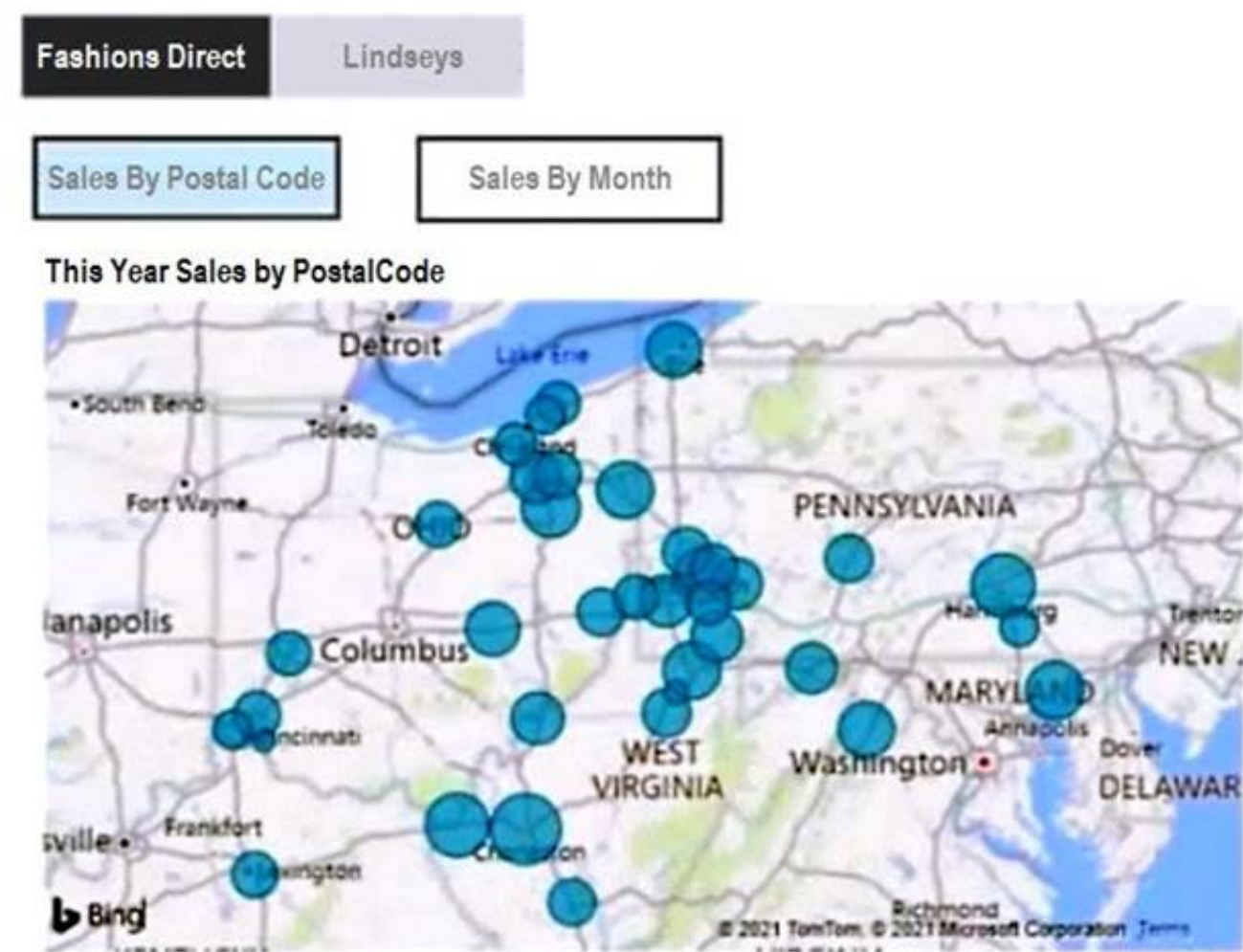
*Sales By Postal Code

*Sales by Month

Both views must display a slicer to select a value for a field named Chain.

The Sales By Postal Code view must display a map visual as shown in the following exhibit.

Chain



The Sales By Month view must display a column chart visual as shown in the following exhibit.



Users must be able to switch between the views by using buttons on the report page. The selected Chain field must be maintained when switching between views. What is the minimum number of bookmarks required, and which property should you apply to each bookmark? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

Minimum number of bookmarks:

1
2
3
4

Property:

Data
Display
Current page

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: 2

Box 2: Display

NEW QUESTION 244

- (Exam Topic 4)

You build a Power Bi report that displays IoT temperature data streaming from a refrigerator. You publish the report to the Power BI service. You need to be notified when the temperature rises above four degrees Celsius. What should you do?

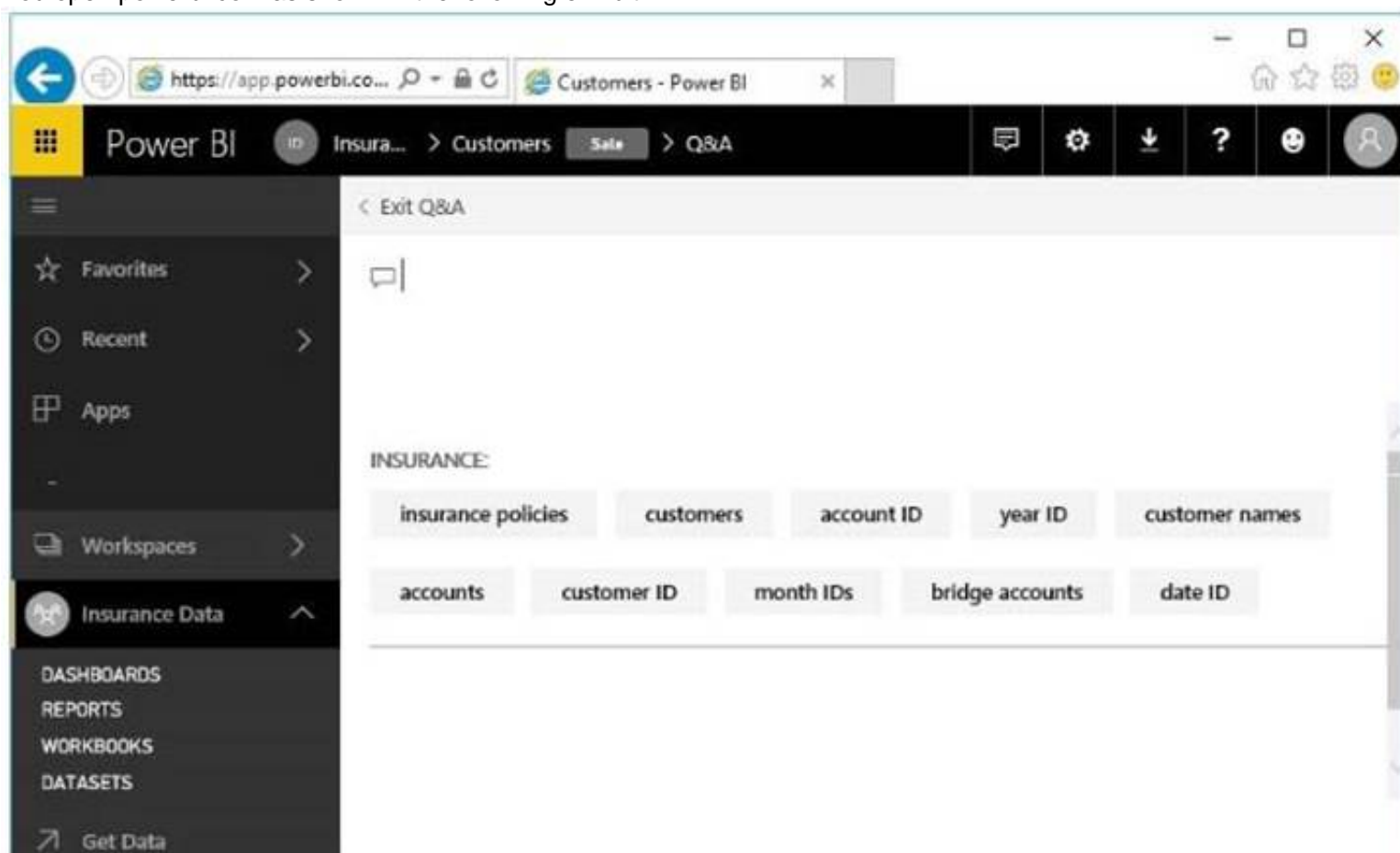
- A. Set an alert on a KPI visual in the report.
- B. Pin a card visual to a dashboard and create a subscription.
- C. Pin a card visual to a dashboard and set an alert on the tile.
- D. Pin a report page to a dashboard and set an alert on the page.

Answer: A

NEW QUESTION 246

- (Exam Topic 4)

You open powerbi.com as shown in the following exhibit.



Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Answer Area

A tenant administrator created a data classification that has a shorthand of [answer choice.]

▼

Customers
Insurance
Insurance Data
Sale

The dashboard uses a dataset named [answer choice].

▼

Customers
Insurance
Insurance Data
Sale

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application, Word, email Description automatically generated
References: <https://docs.microsoft.com/en-us/power-bi/service-data-classification>

NEW QUESTION 247

- (Exam Topic 4)

You publish a report to a workspace named Customer Services. The report identifies customers that have potential data quality issues that must be investigated by the customer services department of your company.

You need to ensure that customer service managers can create task lists in Microsoft Excel based on the data. Which report setting should you configure?

- A. Don't allow end user to save filters on this report.
- B. Change default visual interaction from cross highlighting to cross filtering.
- C. Enable the updated filter pane, and show filters in the visual header for this report.
- D. Allow users to add comments to this report.
- E. Choose the type of data you allow your end users to export.

Answer: E

Explanation:

<https://powerbi.microsoft.com/en-us/blog/announcing-persistent-filters-in-the-service/>

NEW QUESTION 250

- (Exam Topic 4)

You have a Power BI report that contains three pages named Page1, Page2, and Page3. All the pages have the same slicers. You need to ensure that all the filters applied to Page1 apply to Page1 and Page3 only. What should you do?

- A. Sync the slicers on Page1 and Page3
- B. On each page, modify the interactions of the slicer.
- C. Enable visibility of the slicers on Page1 and Page3. Disable visibility of the slicer on Page2.

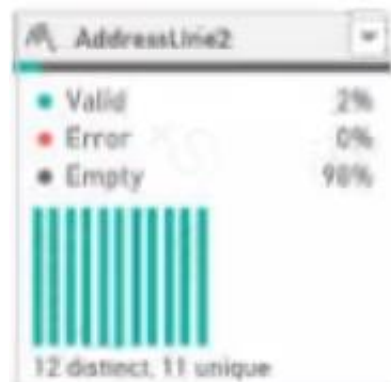
Answer: B

NEW QUESTION 252

- (Exam Topic 4)

You are profiling data by using Power Query Editor.

The AddressLine2 column in a table named Address is shown in the following exhibit.



Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Answer Area

There are [answer choice] different values in the column including nulls

2

11

12

23

Apply the filter: only non-blank values are included in the calculation. (includes blank, omitted values in the column - not counted)

There are [answer choice] non-null values that occur only once in the column

2

11

12

23

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

There are [answer choice] different values in the column including nulls

2

11

12

23

Apply the filter: only non-blank values are included in the calculation. (includes blank, omitted values in the column - not counted)

There are [answer choice] non-null values that occur only once in the column

2

11

12

23

NEW QUESTION 255

- (Exam Topic 4)

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 BI model that contains two tables named Sales and Date. Sales contains four columns named TotalCost, DueDate, ShipDate, and OrderDate. Date contains one column named Date.

The tables have the following relationships:

- > Sales[DueDate] and Date[Date]
- > Sales[ShipDate] and Date[Date]
- > Sales[OrderDate] and Date[Date]

The active relationship is on Sales[DueDate].

You need to create measures to count the number of orders by [ShipDate] and the orders by [OrderDate]. You must meet the goal without duplicating data or loading additional data.

Solution: You create measures that use the CALCULATE, COUNT, and USERELATIONSHIP DAX functions.

Does this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

References:

https://docs.microsoft.com/en-us/dax/calculate-function-dax https://docs.microsoft.com/en-us/dax/count-function-dax https://docs.microsoft.com/en-us/dax/userelationship-function-dax

NEW QUESTION 259

- (Exam Topic 4)

You have a Power BI model that contains a table named Date. The table has the following columns.

Name	Sample value
Date	2022-06-01
Year	2022
Month Number	6
Month Name	June
Year Month	2022 Jun

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer is below.

Month Year Sort = [Year] / 100 + [Month Number]

NEW QUESTION 260

- (Exam Topic 4)

You are creating a line chart in a Power BI report as shown in the following exhibit.

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

Prior Year Employee Count By Month



NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer as selected

Answer Area

The dashed line representing the Year Average Employee Count was created by using [answer choice] an average reference line

To enable users to drill down to weeks or days, add the Weeks and Days field to the [answer choice] bucket. Values

NEW QUESTION 263

- (Exam Topic 4)

You are creating a Power BI report to analyze consumer purchasing patterns from a table named Transactions. The Transactions table contains a numeric field named Spend. You need to include a visual that identifies which fields have the greatest impact on Spend. Which type of visual should you use?

- A. decomposition tree
- B. Q&A
- C. smart narrative
- D. key influences

Answer: D

NEW QUESTION 268

- (Exam Topic 4)

In Power Bi Desktop, you are creating visualizations in a report based on an imported dataset

You need to allow Power Bi users to export the summarized data used to create the visualizations but prevent the users from exporting the underlying data
What should you do?

- A. From Power BI Desktop, configure the Data Load settings for the current file.
- B. From the Power BI service, configure the dataset permissions.
- C. From Power BI Desktop, configure the Report settings for the current file.
- D. From Power BI Desktop, modify the data source permissions.

Answer: B

NEW QUESTION 271

- (Exam Topic 4)

You have an Azure SQL database that contains sales transactions. The database is updated frequently.

You need to generate reports from the data to detect fraudulent transactions. The data must be visible within five minutes of an update.

How should you configure the data connection?

- A. Add a SQL statement.
- B. Set Data Connectivity mode to DirectQuery.
- C. Set the Command timeout in minutes setting.
- D. Set Data Connectivity mode to Import.

Answer: B

Explanation:

With Power BI Desktop, when you connect to your data source, it's always possible to import a copy of the data into the Power BI Desktop. For some data sources, an alternative approach is available: connect directly to the data source using DirectQuery.

DirectQuery: No data is imported or copied into Power BI Desktop. For relational sources, the selected tables and columns appear in the Fields list. For multi-dimensional sources like SAP Business Warehouse, the dimensions and measures of the selected cube appear in the Fields list. As you create or interact with a visualization, Power BI Desktop queries the underlying data source, so you're always viewing current data.

Reference:

<https://docs.microsoft.com/en-us/power-bi/connect-data/desktop-use-directquery>

NEW QUESTION 276

- (Exam Topic 4)

A business intelligence (BI) developer creates a dataflow in Power BI that uses DirectQuery to access tables from an on premises Microsoft SQL server. The Enhanced Dataflows Compute Engine is turned on for the dataflow.

You need to use the dataflow in a report. The solution must meet the following requirements:

- Minimize online processing operations.
- Minimize calculation times and render times for visuals.
- include data from the current year, up to and including the previous day. What should you do?

- A. Create a dataflows connection that has Import mode selected and schedule a dairy refresh.
- B. Create a dataflows connection that has DirectQuery mode selected.
- C. Create a dataflows connection that has DirectQuery mode selected and configure a gateway connection for the dataset
- D. Create a dataflows connection that has Import mode selected and create a Microsoft Power Automate solution to refresh the data hourly.

Answer: A

NEW QUESTION 278

- (Exam Topic 4)

You have the following three versions of an Azure SQL database:

- > Test
- > Production
- > Development

You have a dataset that uses the development database as a data source.

You need to configure the dataset so that you can easily change the data source between the development, test, and production database servers from powerbi.com.

Which should you do?

- A. Create a JSON file that contains the database server name
- B. Import the JSON file to the dataset.
- C. Create a parameter and update the queries to use the parameter.
- D. Create a query for each database server and hide the development tables.
- E. Set the data source privacy level to Organizational and use the ReplaceValue Power Query M function.

Answer: B

Explanation:

<https://docs.microsoft.com/en-us/learn/modules/create-manage-workspaces-power-bi/4-development-lifecycle-s>

NEW QUESTION 281

- (Exam Topic 4)

You receive annual sales data that must be included in Power BI reports.

From Power Query Editor, you connect to the Microsoft Excel source shown in the following exhibit.

2	Feb	2	758	773	0
3	Mar	3	37763	570	null
4	Apr	4	8364	9417	null
5	May	5	58256	276	null
6	June	6	6722	235	null
7	July	7	55225	6297	null
8	Aug	8	673	63	null
9	Sep	9	552	357	null
10	Oct	10	7838	24214	null
11	Nov	11	83544	257	null
12	Dec	12	32455	389	null

You need to create a report that meets the following requirements:

- Visualizes the Sales value over a period of years and months
- Adds a slicer for the month
- Adds a slicer for the year

Actions

Answer Area

Select the Month and MonthNumber columns.

Select **Transpose**.

Rename the Attribute column as Year and the Value column as Sales.

Select **Unpivot other columns**.

Select the 2019, 2020, and 2021 columns.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

Answer Area

Select the Month and MonthNumber columns.

Select **Transpose**.

Rename the Attribute column as Year and the Value column as Sales.

Select **Unpivot other columns**.

Select the 2019, 2020, and 2021 columns.



Select the 2019, 2020, and 2021 columns.

Select **Unpivot other columns**.

Rename the Attribute column as Year and the Value column as Sales.

NEW QUESTION 285

- (Exam Topic 4)

You have a large dataset that contains more than 1 million rows. The table has a datetime column named Date. You need to reduce the size of the data model. What should you do?

- A. Round the hour of the Date column to startOfHour.
- B. Change the data type of the Date column to Text.
- C. Trim the Date column.
- D. Split the Date column into two columns, one that contains only the time and another that contains only the date.

Answer: D

Explanation:

We have to separate date & time tables. Also, we don't need to put the time into the date table, because the time is repeated every day. Split your DateTime column into a separate date & time columns in fact table, so that you can join the date to the date table & the time to the time table. The time need to be converted to the nearest round minute or second so that every time in your data corresponds to a row in your time table.

Reference:

<https://intellipaat.com/community/6461/how-to-include-time-in-date-hierarchy-in-power-bi>

NEW QUESTION 289

- (Exam Topic 4)

You have a dataset named Pens that contains the following columns:

- > Unit Price
- > Quantity Ordered

You need to create a visualization that shows the relationship between Unit Price and Quantity Ordered. The solution must highlight orders that have a similar unit price and ordered quantity.

Which type of visualization and which feature should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Visualization: ▼

A column chart of Quantity Ordered and Unit Price by year
A line chart of Quantity Ordered and Unit Price by item
A scatter plot of Quantity Ordered and Unit Price by item

Feature: ▼

Automatically find clusters
Explain the decrease
Find where the distribution is different

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

Box 1: A scatter plot...

A scatter chart always has two value axes to show: one set of numerical data along a horizontal axis and another set of numerical values along a vertical axis. The chart displays points at the intersection of an x and y numerical value, combining these values into single data points. Power BI may distribute these data points evenly or unevenly across the horizontal axis. It depends on the data the chart represents.

Box 2: Automatically find clusters

Scatter charts are a great choice to show patterns in large sets of data, for example by showing linear or non-linear trends, clusters, and outliers.

Reference:

<https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-scatter>

NEW QUESTION 294

- (Exam Topic 4)

You are creating a Power BI report by using Power Bi Desktop.

You need to include a visual that shows trends and other useful information automatically. The visual must update based on selections in other visuals.

Which type of visual should you use?

- A. key influencers
 B. decomposition tree
 C. Q&A
 D. smart narrative

Answer: A

NEW QUESTION 297

- (Exam Topic 4)

You have a Power BI report for the procurement department. The report contains data from the following tables.

Table name	Source	Description	Column name	Approximate record count
Suppliers	Microsoft Dynamics 365	A list of all the suppliers approved for use by the company.	<ul style="list-style-type: none"> ID Name Country 	100,000
LineItems	Microsoft Dynamics 365	All individual purchases made by employees across the company. An average of five line items per invoice.	<ul style="list-style-type: none"> ID Invoice ID Invoice Date Supplier ID Description Units Price per Unit Discount Price 	1,000,000,000

There is a one-to-many relationship from Suppliers to Lineitems that uses the ID and Supplier ID columns. The report contains the visuals shown in the following table.

Name	Used field	Filter
Supplier usage by count and value of invoices	Suppliers[ID] Suppliers[Name] LineItems[Invoice ID] LineItems[Price]	None
Spend by supplier location	Suppliers[Country] LineItems[Price]	None
Top 10 largest invoices last month	LineItems[Invoice ID] LineItems[Price]	LineItems[Invoice Date] in last calendar month

You need to minimize the size of the dataset without affecting the visuals. What should you do?

- A. Remove the rows from Lineitems where Lineltems[invoice Date] is before the beginning of last month
- B. Merge Suppliers and Uneltems.
- C. Group Lineltems by Lineitems[invoice id) and Lineitems[invoice Date) with a sum of Lineitems(price).
- D. Remove the Lineitems[Description] column.

Answer: D

NEW QUESTION 301

- (Exam Topic 4)

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 for a table named Sales. Sales has a column named CustomerID. The Data Type of CustomerID is Whole Number.

You refresh the data and find several errors. You discover that new entries in the Sales table contain nonnumeric values.

You need to ensure that nonnumeric values in the CustomerID column are set to 0. Solution: From Query Editor, select the CustomerID column and click Remove Errors. Does this meet the goal?

- A. Yes
- B. No

Answer: B

NEW QUESTION 306

- (Exam Topic 4)

You have a Power BI report that uses row-level security (RLS).

You need to transfer RLS membership maintenance to an Azure network security team. The solution must NOT provide the Azure network security team with the ability to manage reports, datasets. or dashboards.

What should you do?

- A. Add the Azure network security team as members of the RLS role.
- B. Instruct the Azure network security team to create security group
- C. Configure RLS to use the groups.
- D. Configure custom instructions for the Request access feature that instructs users to contact the Azure network security team.
- E. Grant the Read and Build permissions for the Power BI datasets to the Azure network security team.

Answer: B

NEW QUESTION 309

- (Exam Topic 4)

You have a Power B1 data model that contains two tables named Products and Sales. A one-to-many relationship exists between the tables.

You have a report that contains a report-level filter for Products.

You need to create a measure that will return the percent of total sales for each product. The measure must respect the report-level filter when calculating the total.

How should you complete the DAX measure? To answer drag the appropriate DAX functions to the correct targets- Each function may be used once, more than once, or not at all the spirt bar between panes or scroll to view content

NOTE: Each correct selection is worth one point

DAX Function

ALL

ALLSELECTED

CALCULATE

FILTER

SELECTEDVALUE

Answer Area

Percent of Product Sales =

VAR ProductSales = SUM ('Sales'[Sales])

VAR AllSales =

Function (SUM ('Sales'[Sales]), Function ('Products'[Product]))

RETURN

DIVIDE (ProductSales, AllSales)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

DAX Function

ALL

ALLSELECTED

CALCULATE

FILTER

SELECTEDVALUE

Answer Area

Percent of Product Sales =

VAR ProductSales = SUM ('Sales'[Sales])

VAR AllSales =

CALCULATE (SUM ('Sales'[Sales]), FILTER ('Products'[Product]))

RETURN

DIVIDE (ProductSales, AllSales)

NEW QUESTION 311

- (Exam Topic 4)

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 scenario, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have several reports and dashboards in a workspace.

You need to grant all organizational users read access to a dashboard and several reports.

Solution: You create an Azure Active Directory group that contains all the users. You share each report and dashboard to the group.

Does this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

Statements and questions are tricky and confusing. When the access is granted for the group (all users) for ALL (each) dashboards and ALL (each) reports in the workspace, then the will have read access to the specific (A, one) Dashboard and several reports, because they are part of all dashboards and reports. There is no statement, that for the other dashboards (except the one) and the other reports (except the several) that access must be prevented. They are also accessible (maybe it is not desired but not stated here).

NEW QUESTION 314

- (Exam Topic 4)

You have a Power BI report named Orders that supports the following analysis:

- Total sales over time
- The count of orders over time
- New and repeat customer counts

The data model size is nearing the limit for a dataset in shared capacity. The model view for the dataset is shown in the following exhibit.

Customers

Date

Answer Area

Statements	Yes	No
Summarizing Orders by the CustomerID, OrderID, and OrderDate columns will reduce the model size while still supporting the current analysis.	<input type="radio"/>	<input type="radio"/>
Removing the CustomerID column from Orders will reduce the model size while still supporting the current analysis.	<input type="radio"/>	<input type="radio"/>
Removing the UnitPrice and Discount columns from Orders will reduce the model size while still supporting the current analysis.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
Summarizing Orders by the CustomerID, OrderID, and OrderDate columns will reduce the model size while still supporting the current analysis.	<input type="radio"/>	<input checked="" type="radio"/>
Removing the CustomerID column from Orders will reduce the model size while still supporting the current analysis.	<input type="radio"/>	<input checked="" type="radio"/>
Removing the UnitPrice and Discount columns from Orders will reduce the model size while still supporting the current analysis.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 315

- (Exam Topic 4)

Your company plans to use Power BI for 20 users in the sales department. The users will perform the following tasks:

- > Access a published Power BI app
- > Modify reports in an app workspace
- > Share dashboards created in My Workspace

You need to identify which Power BI licenses are required for the tasks. The solution must use the Power BI (free) licenses, whenever possible.

Which license should you identify for each task? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

Access a published Power BI app:	<div> <div>▼</div> <div>Power BI (free)</div> <div>Power BI PRO</div> </div>
Modify report in an app workspace:	<div> <div>▼</div> <div>Power BI (free)</div> <div>Power BI PRO</div> </div>
Share dashboards created in My Workspace:	<div> <div>▼</div> <div>Power BI (free)</div> <div>Power BI PRO</div> </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application, email Description automatically generated

References:

<https://docs.microsoft.com/en-us/power-bi/service-create-distribute-apps> <https://docs.microsoft.com/en-us/power-bi/service-collaborate-power-bi-workspace>

NEW QUESTION 317

- (Exam Topic 4)

You publish a Microsoft Power BI dataset to powerbi.com. The dataset appends data from an on-premises Oracle database and an Azure SQL database by using one query.

You have admin access to the workspace and permission to use an existing On-premises data gateway for which the Oracle data source is already configured.

You need to ensure that the data is updated every morning. The solution must minimize configuration effort. Which two actions should you perform when you configure scheduled refresh? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Configure the dataset to use the existing On-premises data gateway.
- B. Deploy an On-premises data gateway in personal mode.
- C. Set the refresh frequency to Daily.
- D. Configure the dataset to use the personal gateway.

Answer: AC

Explanation:

<https://docs.microsoft.com/en-us/power-bi/connect-data/service-gateway-personal-mode>

NEW QUESTION 322

- (Exam Topic 4)

You are creating a quick measure as shown in the following exhibit.

Quick measures

Calculation

Rolling average ▼

Calculate the average of base value over a certain number of periods before and/or after each date.
[Learn more](#)

Base value ⓘ

Add data fields here

Date ⓘ

Add data fields here

Period ⓘ

Days ▼

Periods before ⓘ

1

Periods after ⓘ

0

Fields

Search

Customer
Product
Sales
Date
Gross Margin
Month
MonthNumberOfYear
Quarter
Sales_SRC
Time Intelligence
Total Cost
Total Order Qty
Total Sales
Total Sales rolling average
Unit Price
Year

You need to create a monthly rolling average measure for Sales over time-How should you configure the quick measure calculation? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Base value:

Month
Total Cost
Total Order Qty
Total Sales
Year

Date:

Date
Month
Total Sales
Year

Period:

Days
Months
Quarters
Years

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Total Sales

We select the field Total Sales Box 2: Date

Select a date field. Box 3: Month Monthly periods. Reference:

<https://docs.microsoft.com/en-us/power-bi/transform-model/desktop-quick-measures>

NEW QUESTION 326

- (Exam Topic 4)

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 BI report that imports a date table and a sales table from an Azure SQL database data source. The sales table has the following date foreign keys:

- > Due Date
- > Order Date
- > Delivery Date

You need to support the analysis of sales over time based on all the date foreign keys.

Solution: For each date foreign key, you add inactive relationships between the sales table and the date table. Does this meet the goal?

- A. Yes
- B. No

Answer: A

NEW QUESTION 331

- (Exam Topic 4)

You need to create a visualization to meet the reporting requirements of the sales managers.

HOW Should create the Visualization? TO answer, select the appropriate options in the answer area.

See the explanation for answer.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Indicator: Sales[sales_amount] ▼

Trend axis: Date[month] ▼

Target goals: Targets[sales_target] ▼

NEW QUESTION 334

- (Exam Topic 4)

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.

From Power Query Editor, you profile the data shown in the following exhibit.

	IoT GUID	IoT DateTime	IoT ID
	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%
1	48196321-38D9-EC11-8B3D-0022489A2...	21/05/2022 18:59:25	100001000
2	49196321-38D9-EC11-8B3D-0022489A2...	21/05/2022 18:59:26	100001001
3	0300C742-38D9-EC11-8B3D-0022489A2...	21/05/2022 19:00:21	100001002
4	0400C742-38D9-EC11-8B3D-0022489A2...	21/05/2022 19:00:21	100001003
5	0500C742-38D9-EC11-8B3D-0022489A2...	21/05/2022 19:00:21	100001004
6	0600C742-38D9-EC11-8B3D-0022489A2...	21/05/2022 19:00:21	100001005

The IoT GUID and IoT ID columns are unique to each row in query.

You need to analyze IoT events by the hour and day of the year. The solution must improve dataset performance.

Solution: You split the IoT DateTime column into a column named Date and a column named Time. Does this meet the goal?

- A. Yes
- B. No

Answer: B

NEW QUESTION 339

- (Exam Topic 4)

You use an R visual to produce a map of 500,000 customers. You include the values of CustomerID, Latitude, and Longitude in the fields sent to the visual. Each customer ID is unique.

In powerbi.com, when users load the visual, they only see some of the customers. What is the cause of the issue?

- A. The visual was built by using a different version of R.
- B. The data comes from a Microsoft SQL Server source.
- C. The data is deduplicated.
- D. Too many records were sent to the visual.

Answer: D

Explanation:

R visuals in the Power BI service have a few limitations including:

- Data size limitations – data used by the R visual for plotting is limited to 150,000 rows. If more than 150,000 rows are selected, only the top 150,000 rows are

used and a message is displayed on the image. Additionally, the input data has a limit of 250 MB.

Reference:

<https://docs.microsoft.com/en-us/power-bi/visuals/service-r-visuals>

NEW QUESTION 341

- (Exam Topic 4)

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 create a parameter named DataSourceExcel that holds the file name and location of a Microsoft Excel data source.

You need to update the query to reference the parameter instead of multiple hard-coded copies of the location within each query definition.

Solution: You modify the source step of the queries to use DataSourceExcel as the file path. Does this meet the goal?

A. Yes

B. No

Answer: A

Explanation:

Parameterising a Data Source could be used in many different use cases. From connecting to different data sources defined in Query Parameters to load different combinations of columns.

Reference:

<https://www.biinsight.com/power-bi-desktop-query-parameters-part-1/>

NEW QUESTION 343

- (Exam Topic 4)

You have a Power BI report. The report contains visualizations that have interactions. You need to identify which visualizations take the longest to complete. What should you use?

A. SQL Server Profiler

B. Performance Analyzer in Power BI Desktop

C. Query Diagnostics in Power BI

D. Microsoft Edge DevTools

Answer: B

Explanation:

Use Power BI Desktop Performance Analyzer to optimize reports.

In Power BI Desktop you can find out how each of your report elements, such as visuals and DAX formulas, are performing. Using the Performance Analyzer, you can see and record logs that measure how each of your report elements performs when users interact with them, and which aspects of their performance are most (or least) resource intensive.

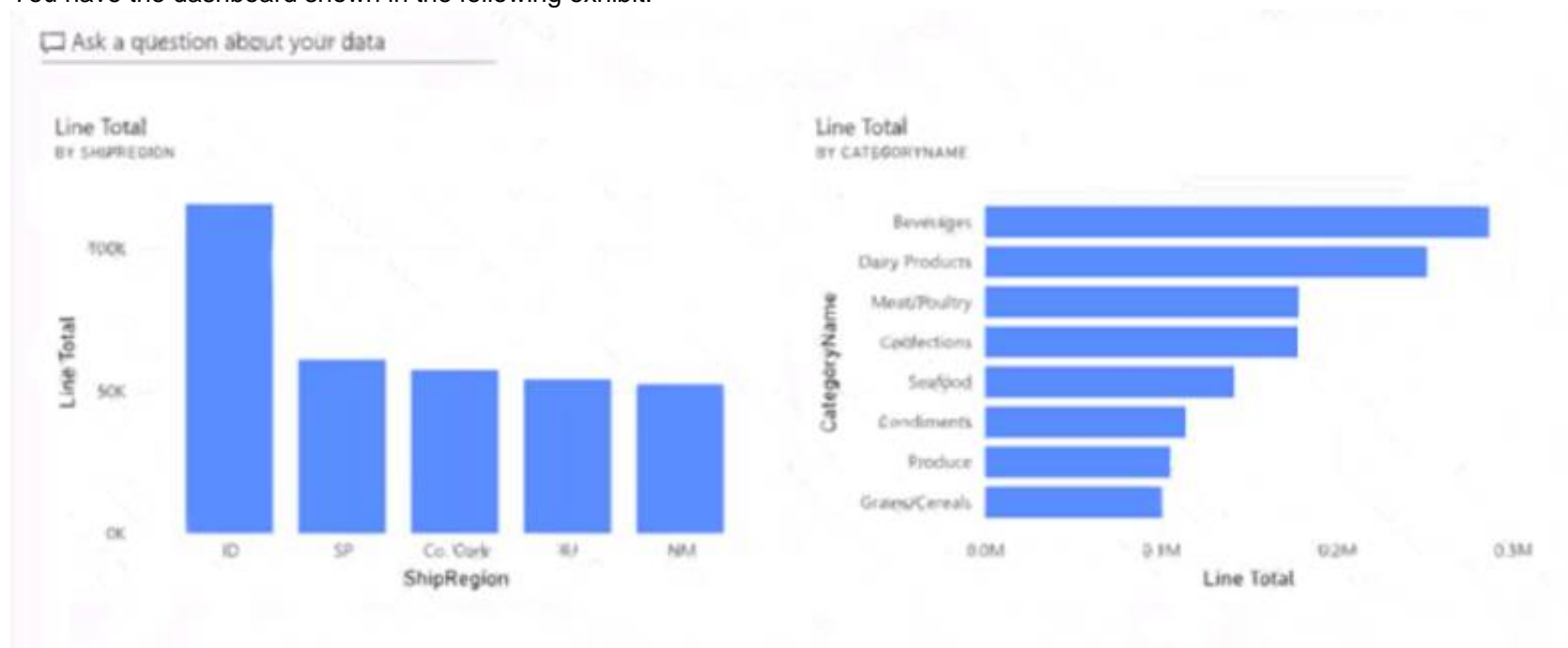
Reference:

<https://docs.microsoft.com/en-us/power-bi/create-reports/desktop-performance-analyzer>

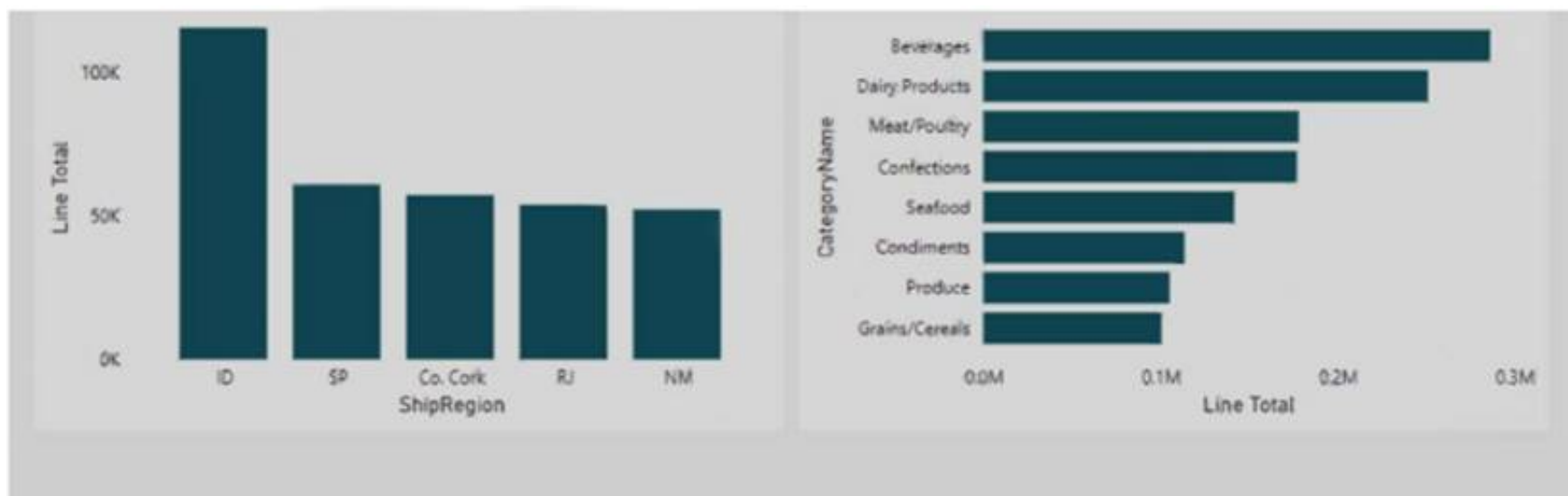
NEW QUESTION 346

- (Exam Topic 4)

You have the dashboard shown in the following exhibit.



You need to modify the dashboard to display as shown in the following exhibit.



What should you do?

- A. Create and apply a custom dashboard theme.
- B. Change the colors of the visuals in the report.
- C. Apply the Dark dashboard theme.
- D. Upload a snapshot image of the dashboard.

Answer: C

NEW QUESTION 351

- (Exam Topic 4)

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 are modeling data by using Microsoft Power BI. Part of the data model is a large Microsoft SQL Server table named Order that has more than 100 million records.

During the development process, you need to import a sample of the data from the Order table. Solution: You add a report-level filter that filters based on the order date.

Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

The filter is applied after the data is imported. Instead add a WHERE clause to the SQL statement.

Reference:

<https://docs.microsoft.com/en-us/power-bi/connect-data/service-gateway-sql-tutorial>

NEW QUESTION 354

- (Exam Topic 4)

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.

You have a Microsoft SQL Server database that contains the following tables.

Table name	Column name	Data type
Order	Order_ID	Integer
	Order_date	Integer
	Order_amount	Currency
	Customer_ID	Integer
	Order_ship_date	Integer
	Store_ID	Integer
Customer	Customer_ID	Integer
	First_name	Varchar(100)
	Last_name	Varchar(100)
	Customer_photo	Binary
Date	Date_ID	Integer
	Date_name	Datetime
	Month	Integer
	Week	Integer
	Year	Integer
Monthly_returns	Month_ID	Integer
	Total_returns	Float
	Store_ID	Varchar(100)
Store	Store_ID	Integer
	Name	Varchar(100)
	City	Varchar(100)
	Sales_target	Float

The following columns contain date information:

- Date[Month] in the mmyyyy format
- Date[Date_ID] in the ddmmyyyy format
- Date[Date_name] in the mm/dd/yyyy format
- Monthly_returns[Month_ID] in the mmyyyy format

The Order table contains more than one million rows.

The Store table has a relationship to the Monthly_returns table on the Store_ID column. This is the only relationship between the tables.

You plan to use Power BI Desktop to create an analytics solution for the data.

You need to create a relationship between the Monthly_returns table and Date[Date_ID]. What should you do before you create the relationship?

- A. In the Date table, create a new calculated column named MonthJD that uses the yyyydd format.
- B. In the Monthly_returns table, create a new calculated column named DateJD that uses the ddmmyyyy format.
- C. To the Order table, add a calculated column that uses the RELATED(Monthly_returns[Month_ID]) DAX formula.
- D. To the Date table, add a calculated column that uses the RE LATE D(Monthly_ret urns [MonthJD]) DAX formula.

Answer: B

Explanation:

References:

<https://docs.microsoft.com/en-us/power-bi/desktop-create-and-manage-relationships>

NEW QUESTION 359

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