

Microsoft

Exam Questions PL-300

Microsoft Power BI Data Analyst



NEW QUESTION 1

- (Exam Topic 1)

You merge data from Sales.Region, Region_Manager, Sales_Manager, and Manager into a single table named Region. What should you do next to meet the reporting requirements of the executives?

- A. Apply row-level security (RLS) to the Region table based on the sales manager username.
- B. Configure a bi-directional relationship between Region and Sales.Region.
- C. Create a DAX calculated column that retrieves the region manager from the Weekly>Returns table based on the sales.regionjd column.
- D. In the Region table, create a hierarchy that has the manager name, and then the sales manager name.

Answer: C

NEW QUESTION 2

- (Exam Topic 1)

You need to create a calculated column to display the month based on the reporting requirements. Which DAX expression should you use?

- A. `FORMAT('Date'[date], "MMM YYYY")`
- B. `FORMAT('Date' [date], "M YY")`
- C. `FORMAT('Date'[date_id], "MMM") & "" & FORMAT('Date'[year], "#")`
- D. `FORMAT('Date' [date_id], "MMM YYYY")`

Answer: A

NEW QUESTION 3

- (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 where `sales_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 4

- (Exam Topic 1)

You need to address the data concerns before creating the data model. What should you do in Power Query Editor?

- A. Select Column distribution.
- B. Select the sales_amount column and apply a number filter.
- C. Select Column profile, and then select the sales_amount column.
- D. Transform the sales_amount column to replace negative values with 0.

Answer: C

NEW QUESTION 5

- (Exam Topic 1)

You need to create relationships to meet the reporting requirements of the customer service department. What should you create?

- A. an additional date table named ShipDate, a one-to-many relationship from Sales[sales_date_id] to Date[date_id], and a one-to-many relationship from Sales[sales_ship_date_id] to ShipDate[date_id]
- B. an additional date table named ShipDate, a many-to-many relationship from Sales[sales_date_id] to Date[date_id], and a many-to-many relationship from Sales[sales_ship_date_id] to ShipDate[date_id]
- C. a one-to-many relationship from Date[date_id] to Sales[sales_date_id] and another one-to-many relationship from Date[date_id] to Weekly_Returns[week_id]
- D. a one-to-many relationship from Sales[sales_date_id] to Date[date_id] and a one-to-many relationship from Sales[sales_ship_date_id] to Date[date_id]
- E. a one-to-many relationship from Date[date_id] to Sales[sales_date_id] and another one-to-many relationship from Date[date_id] to Sales[sales_ship_date_id]

Answer: A

Explanation:

Scenario: The customer service department requires a visual that can be filtered by both sales month and ship month independently.

Reference:

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

NEW QUESTION 6

- (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 7

- (Exam Topic 2)

Which two types of visualizations can be used in the balance sheet reports to meet the reporting goals? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. a line chart that shows balances by quarter filtered to account categories that are long-term liabilities.

B. a clustered column chart that shows balances by date (x-axis) and account category (legend) without filters.

C. a clustered column chart that shows balances by quarter filtered to account categories that are long-term liabilities.

D. a pie chart that shows balances by account category without filters.

E. a ribbon chart that shows balances by quarter and accounts in the legend.

Answer: AE

Explanation:

<https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-types-for-reports-and-q-and-a>

NEW QUESTION 8

- (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 9

- (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:	<div><div>A DAX calculated column</div><div>A DAX calculated measure</div><div>An M custom column</div></div>
Formula:	<div><div>Date.EndOfMonth(#date([Year], [Month], 1))</div><div>Date.EndOfQuarter(#date([Year], [Month], 1))</div><div>ENDOFQUARTER(DATE('BalanceSheet'[Year],BalanceSheet[Month],1),0)</div></div>

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Box 1: A DAX Calculated measure

Box 2: Date.EndofQuarter(#date([Year],[Mont],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 10

- (Exam Topic 3)

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.

Create a

one-to-one
one-to-many
many-to-one
many-to-many

 relationship between the Sales Employees table and the

Orders table
Suppliers table
Order Details table
Customer Details worksheet

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Text Description automatically generated

Box 1: many-to-one

Each employee in the Sales Employees table is assigned to one sales region. Multiple employees can be assigned to each region.

The Suppliers table has a Region column. Box 2: Suppliers table

NEW QUESTION 10

- (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 11

- (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 12

- (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

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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 14

- (Exam Topic 3)

You need to create a solution to meet the notification requirements of the warehouse shipping department. What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct select is worth one point:

Answer Area

Populate a

report

bookmark

dashboard

 by using a card visualization that shows the percentage of late orders in the

data alert

phone view

subsc

 then configure a

These are the selections for the second missing value.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 16

- (Exam Topic 3)

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

- A. Change lite 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 19

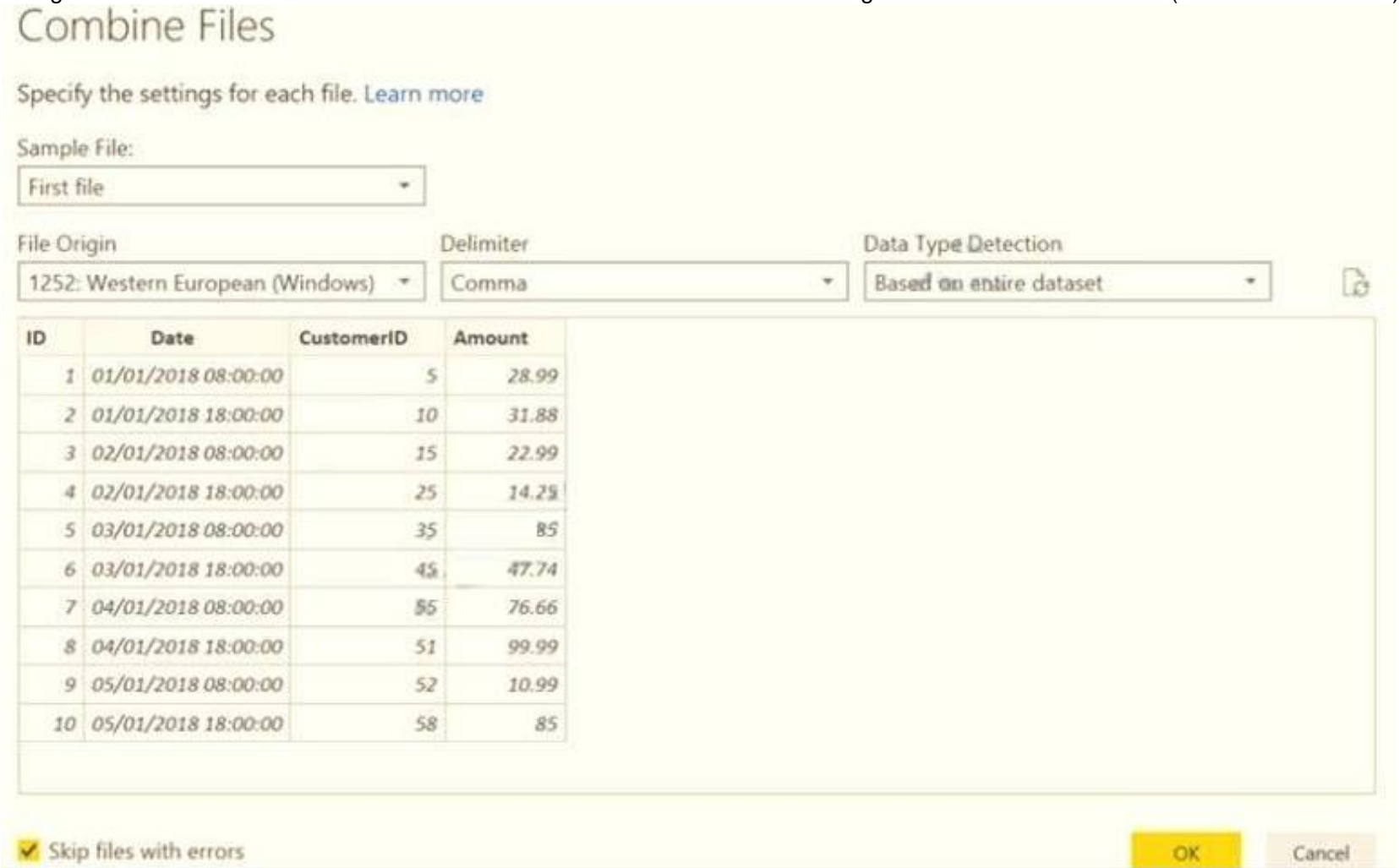
- (Exam Topic 4)

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.)



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

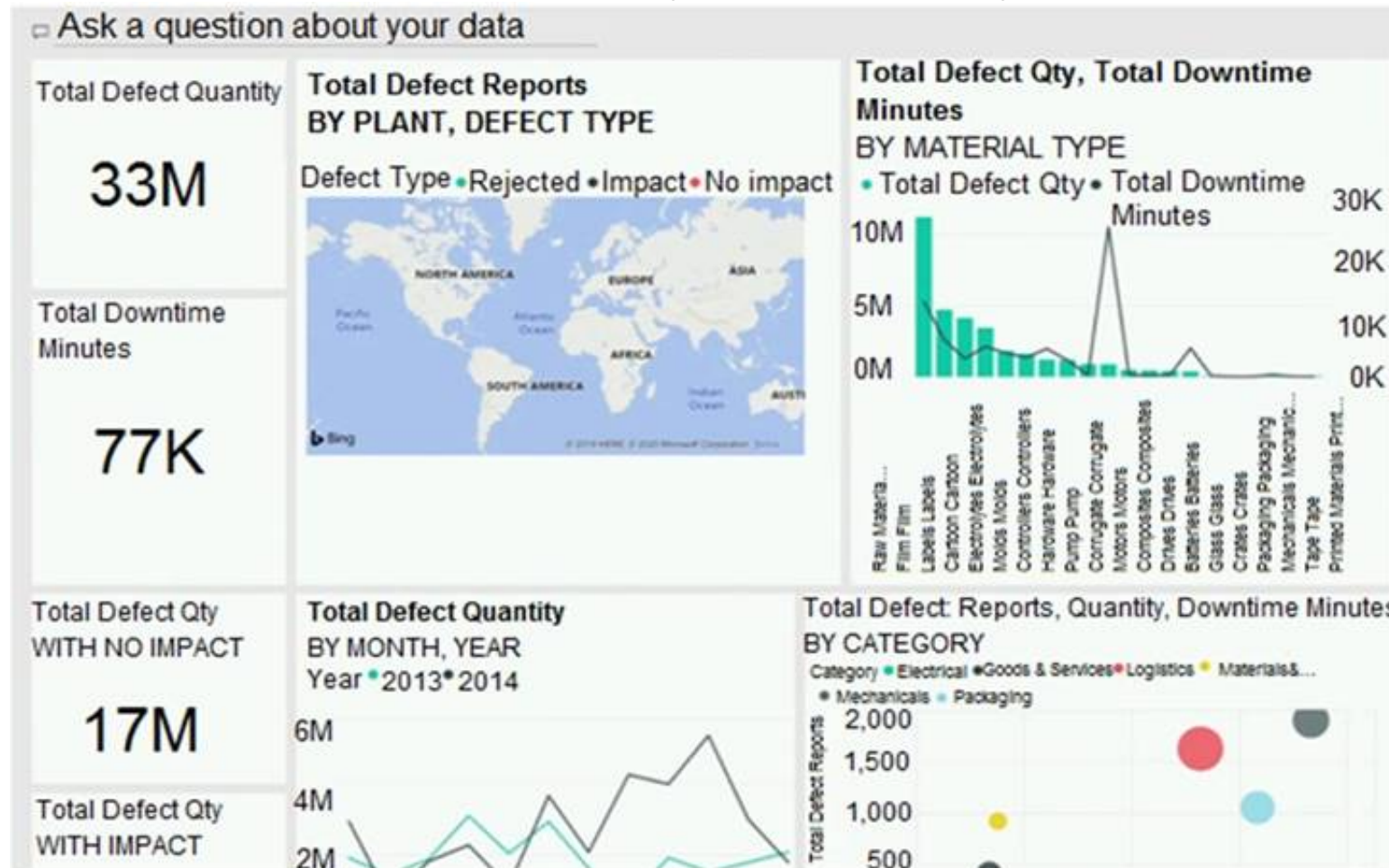
The columns used are based on the entire dataset. The additional columns in the 2019 files will be detected. Box 3: Yes

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.

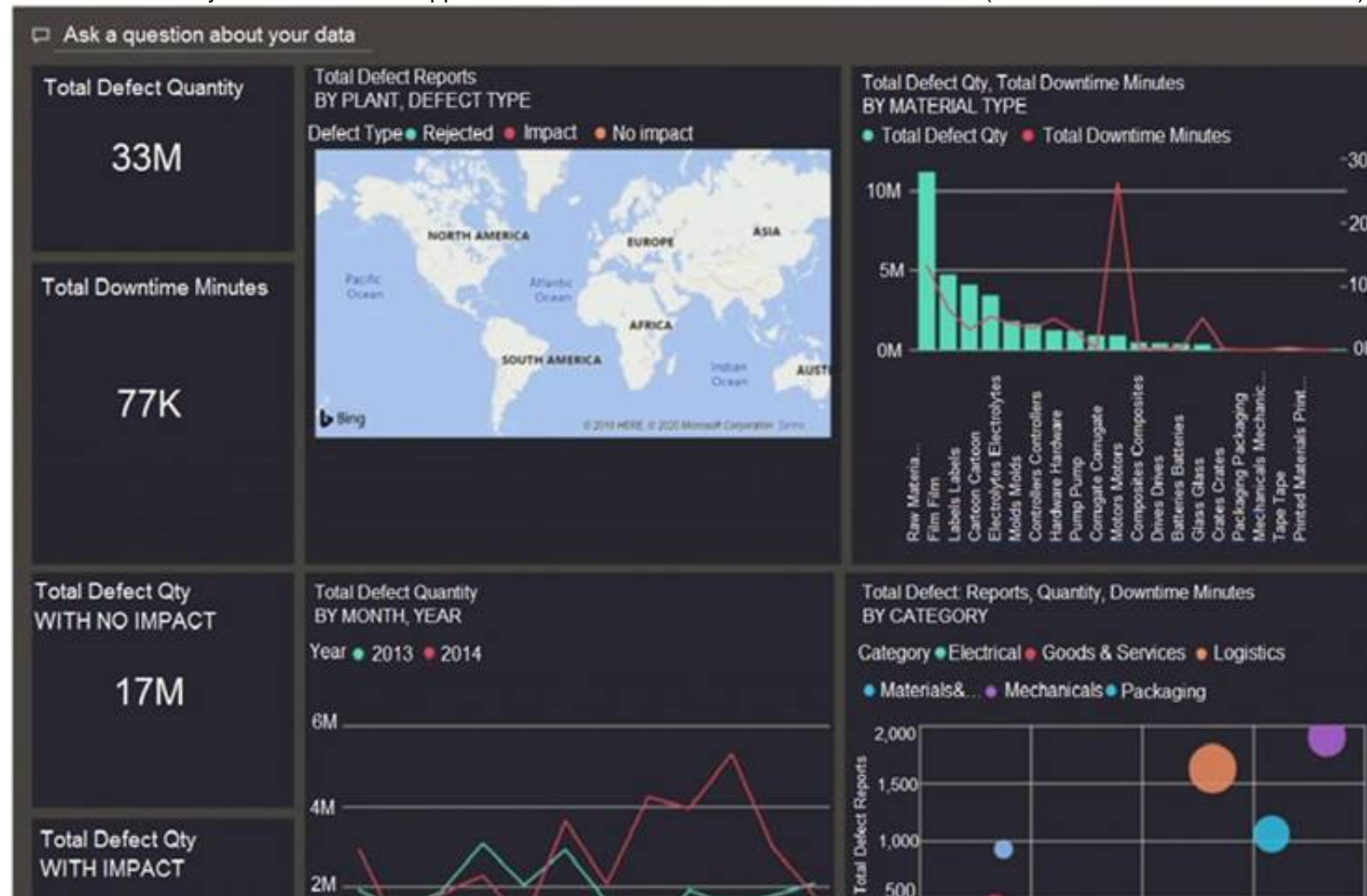
NEW QUESTION 23

- (Exam Topic 4)

You have a dashboard that contains tiles pinned from a single report as shown in the Original Dashboard exhibit. (Click the Original Dashboard tab.)



You need to modify the dashboard to appear as shown in the Modified Dashboard exhibit. (Click the Modified Dashboard tab.)



What should you do?

- A. Edit the details of each tile.
- B. Change the report theme.
- C. Change the dashboard theme.
- D. Create a custom CSS file.

Answer: C

Explanation:

<https://docs.microsoft.com/en-us/power-bi/create-reports/service-dashboard-themes#how-dashboard-themes-wo>

NEW QUESTION 26

- (Exam Topic 4)
 You build a Power BI report that displays 10T temperature data streaming from a refrigerator. You publish the report to the BI service. You need to be notified when the temperature rises above four degrees Celsius. What should you do?

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

Answer: A

NEW QUESTION 30

- (Exam Topic 4)
 You have a power BI tenant that hosts the datasets shown in the following table.

Name	Contents	Used to generate
Sales	Sales targets Sales data Employee salary data	Daily performance reports Quarterly reports used to calculate bonuses
Operations	Environmental sensor data	Reports that show average sensor readings over time
Finance	Financial transaction data	Budget planning reports Monthly board reports

You have the following requirements:

- The export of reports that contain Personally Identifiable Information (PII) must be prevented.
- Data used for financial decisions must be reviewed and approved before use.

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 Sales dataset requires a sensitivity label.	<input type="radio"/>	<input type="radio"/>
The Operations dataset requires a sensitivity label and must be certified.	<input type="radio"/>	<input type="radio"/>
The Finance dataset requires a sensitivity label and must be certified.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
Answer Area

Statements	Yes	No
The Sales dataset requires a sensitivity label.	<input checked="" type="radio"/>	<input type="radio"/>
The Operations dataset requires a sensitivity label and must be certified.	<input type="radio"/>	<input checked="" type="radio"/>
The Finance dataset requires a sensitivity label and must be certified.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 34

- (Exam Topic 4)
 You have a Power BI report that contains one page. The page contains two line charts and one bar chart. You need to ensure that users can perform the following tasks for all three visuals:

- Switch the measures used in the visuals.
- Change the visualization type.
- Add a legend.

The solution must minimize development effort. What should you do?

- A. Enable personalization for each Visual.
- B. Create a bookmark for each acceptable combination of visualization type, measure, and legend in the bar chart
- C. Edit the interactions between the three visuals.
- D. Enable personalization for the report

Answer: C

NEW QUESTION 39

- (Exam Topic 4)

You have a Power BI query named Sales that imports the columns shown in the following table.

Name	Description	Sample value
ID	A unique value that represents a sale	10253
Sale_Date	Sales date A column to extract the date of the sale	2021-11-23T09:53:00
Customer_ID	Represents a unique customer ID number	13158
Delivery_Time	Elapsed delivery time in hours Can contain null values	51.52
Status	Sales status Contains only the following two values: Finished and Canceled	Finished
Canceled_Date	Cancellation date and time Can contain null values	2021-11-24T14:11:23

Uses only use the date part of the Sales.Date field. Only rows with a Status of Finished are used in analysis. You need to reduce the load times of the query without affecting the analysis.

Which two actions achieve this goal? Each correct answer presents a complete solution.

NOTL Each correct selection is worth one point.

- A. Remove the rows in which sales [status] has a value of Canceled.
- B. Change the data type of sale [Delivery_Time] to Integer
- C. Removes (Canceled Date).
- D. Split Sales [Sale_Date] into separate date and time columns.
- E. Remove sales [Sales_Date].

Answer: AD

NEW QUESTION 44

- (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 48

- (Exam Topic 4)

Simon	101	100
Wenanta	102	100
Conrad	103	101
Priyish	104	103
Sunil	105	103
Pavel	106	102

Each employee has one manager as shown in the ParentEmployeeID column, All reporting paths lead to the CEO at the top of the organizational hierarchy.

You need to create a calculated column that returns the count of levels from each employee to the CEO. Which DAX expression should you use?

A. `PATHITEM(PATH(Employee[EmployeeID],Employee[ParentEmployeeID]),1,INTEGER)`

B. `PATHCONTAINS(PATH(Employee[EmployeeID],Employee[ParentEmployeeID]),1)`

C. `PATH(Employee[EmployeeID],Employee[ParentEmployeeID])`

D. `PATHLENGTH(PATH(Employee[EmployeeID],Employee[ParentEmployeeID]))`

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

Answer: B

NEW QUESTION 49

- (Exam Topic 4)

A manager can represent only a single country.

You need to use row-level security (RLS) to meet the following requirements: The managers must only see the data of their respective country.

The number of RLS roles must be minimized.

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

- A. Create a single role that filters Country[Manager_Email] by using the USERNAME DAX function.
- B. Create a single role that filters Country[Manager_Email] by using the USEROBJECTID DAX function.
- C. For the relationship between Purchase Detail and Purchase, select Apply security filter in both directions.
- D. Create one role for each country.
- E. For the relationship between Purchase and Purchase Detail, change the Cross filter direction to Single.

Answer: AC

Explanation:

In Power BI Service the username and userprincipalname both return the email address, it's only in Power BI Desktop that username is domain/username rather than the email address. So I agree that userprincipalname is better generally as you always get the same value, the answer is correct and you can use username as your RLS since the role will be applied in the Service. See

<https://community.powerbi.com/t5/Community-Blog/USERNAME-v-s-USERPRINCIPALNAME-in-RLS-for-P> for more information.

NEW QUESTION 51

- (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 55

- (Exam Topic 4)

You are developing a sales report that will have multiple pages. Each page will answer a different business question.

You plan to have a menu page that will show all the business questions.

You need to ensure that users can click each business question and be directed to the page where the question is answered. The solution must ensure that the menu page will work when deployed to any workspace.

What should you include on the menu page?

- A. Create a text box for each business question and insert a link.
- B. Create a button for each business question and set the action type to Bookmark.
- C. Create a Power Apps visual that contains a drop-down list
- D. The drop-down list will contain the business questions.

Answer: B

Explanation:

When you create a bookmark, the following elements are saved with the bookmark: - The current page - Filters - Slicers, including slicer type (for example, dropdown or list) and slicer state - Visual selection state (such as cross-highlight filters) - Sort order - Drill location - Visibility of an object (by using the Selection pane) - The focus or Spotlight modes of any visible object

NEW QUESTION 59

- (Exam Topic 4)

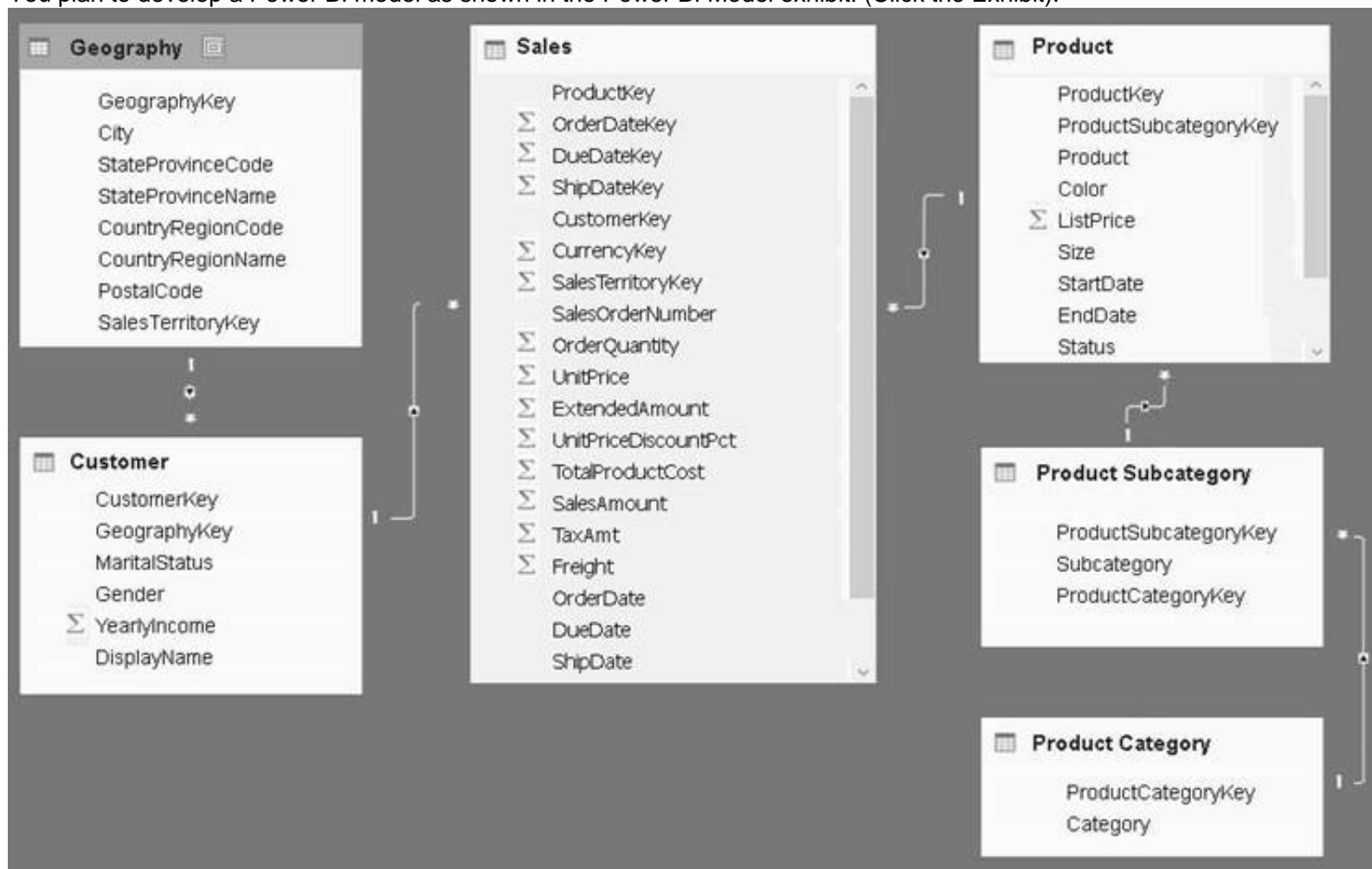
Note: This question is a part of a series of questions that present the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is exactly the same in each question in this series.

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	Answer Area
Table.Combine	<pre> 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" </pre>
Table.RemovedColumns	
Table.RemoveRows	
Table.RenameColumns	
Table.ReorderColumns	
Table.SelectColumns	

- 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 64

- (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 69

- (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 70

- (Exam Topic 4)

Your company plans to completely separate development and production assets such as datasets, reports, and dashboards in Microsoft Power BI.

You need to recommend an application lifecycle strategy. The solution must minimize access to production assets and prevent end users from viewing the development assets.

What should you recommend?

- A. Create production reports in a separate workspace that uses a shared dataset from the development workspac
- B. Grant the end users access to the production workspace.
- C. Create one workspace for developmen
- D. From the new workspace, publish an app for production.
- E. Create a workspace for development and a workspace for productio
- F. From the production workspace, publish an app.
- G. In one workspace, create separate copies of the assets and append DEV to the names of the copied asset
- H. Grant the end users access to the workspace.

Answer: C

Explanation:

Use different work stages (Development, Test, and Production). Deploy from the Development workspace.

Reference:

<https://visualbi.com/blogs/microsoft/powerbi/application-lifecycle-management-power-bi/>

NEW QUESTION 71

- (Exam Topic 4)

What is the minimum number of Power BI datasets needed to support the reports?

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

Answer: A

NEW QUESTION 73

- (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 76

- (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: In the Power Query M code, you replace references to the Excel file with DataSourceExcel. Does this meet the goal?

- A. Yes
- B. No

Answer: A

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 77

- (Exam Topic 4)

You are creating an analytics report that will consume data from the tables shown in the following table.

Table name	Column name	Data type
Sales	sales_id	Integer
	sales_date	Datetime
	Customer_id	Integer
	sales_amount	Floating
	employee_id	Integer
	sales_ship_date	Datetime
	store_id	Varchar(100)
Employee	employee_id	Integer
	first_name	Varchar(100)
	last_name	Varchar(100)
	employee_photo	Binary

There is a relationship between the tables.

There are no reporting requirements on employeejd and employee_photo. You need to optimize the data model

What should you configure for employeejd and employee.photo? To answer, select the appropriate options in the answer area.

Answer Area

Employee_id:

Change Type
Delete
Hide
Sort

Employee_photo:

Change Type
Delete
Hide
Sort

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Table Description automatically generated

Box 1: Hide

Optimize data by hiding fields and sorting visualization data Box 2: Delete

The fastest way to optimize your Power BI report is to limit the number of columns to only the ones you need in your data model. Go through your tables in Power Query and determine what fields are being used. Delete these columns if they are not being used in any of your reports or calculations.

Reference:

<https://tessellationtech.io/optimizing-power-bi-reports/>

NEW QUESTION 82

- (Exam Topic 4)

You have a Power BI data model that analyzes product sales over time. The data model contains the following tables.

Table name	Column name	Data type
Product	Product ID	Whole number
	Product Name	Text
	Product Category	Text
Sales	Product ID	Whole number
	Order Date	Date
	Ship Date	Date
	Delivered Date	Date
	Invoice Number	Whole number
	Quantity	Whole number
	Sales Amount	Decimal number

A one-to-many relationship exists between the tables. The auto date/time option for the data model enabled.

You need to reduce the size of the data model while maintaining the ability to analyze product sales by month and quarter.

Which two actions should you perform?

- A. Disable the auto date/time option.
- B. Create a Date table and select **Mark as Date Table**.
- C. Create a relationship between the Date table and the Sales table.
- D. Disable the load on the Date table.
- E. Remove the relationship between the Product table and the Sales table.

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

Answer: AD

NEW QUESTION 84

- (Exam Topic 4)
You have a Power BI workspace named BI Data that contains a dataset named BI Finance.
You have the Build permission for the 81 Finance dataset but you do NOT have permissions for the workspace,
You need to connect to BI Finance and create a report.
Which actions should you perform? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A. From the Power BI service, create a dataflow to the dataset by using DirectQuery.
B. From Power BI Desktop, connect to a Dataverse data source.
C. From the Power BI service, create a new report and select a published dataset
D. From Power BI Desktop, connect to a shared dataset

Answer: BC

NEW QUESTION 87

- (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

(Transactions[Amount]),

(50, Transactions, Transactions

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 90

- (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 94

- (Exam Topic 4)
You are creating a column chart visualization.
You configure groups as shown in the Groups exhibit. {Click the Groups tab.)

Groups

Name

Sepal.Width (bins)

Field

Sepal.Width

Group type

Bin

Min value

2

Bin Type

Number of bins

Max value

4.4

Binning splits numeric or date/time data by an amount you specify. The default bin count is calculated based on your data.

Bin count

10

Bin size

0.24000000000000005

Reset to default

OK

Cancel

The visualization appears as shown in the Chart exhibit. (Click the Chart tab.)



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 data is segmented into 10 groups.	<input type="radio"/>	<input checked="" type="radio"/>
The data was split into deciles.	<input type="radio"/>	<input type="radio"/>
To increase the bin size, you must decrease the bin count.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
The data is segmented into 10 groups.	<input checked="" type="radio"/>	<input type="radio"/>
The data was split into deciles.	<input checked="" type="radio"/>	<input type="radio"/>
To increase the bin size, you must decrease the bin count.	<input type="radio"/>	<input checked="" type="radio"/>

NEW QUESTION 98

- (Exam Topic 4)

You have a Microsoft Power BI report. The size of PBIX file is 550 MB. The report is accessed by using an App workspace in shared capacity of powerbi.com. The report uses an imported dataset that contains one fact table. The fact table contains 12 million rows. The dataset is scheduled to refresh twice a day at 08:00 and 17:00. The report is a single page that contains 15 custom visuals and 10 default visuals. Users say that the report is slow to load the visuals when they access and interact with the report You need to recommend a solution to improve the performance of the report. What should you recommend?

- A. Split the visuals onto multiple pages.

- B. Implement row-level security (RLS).
- C. Replace the default visuals with custom visuals.
- D. Increase the number of times that the dataset is refreshed.

Answer: A

NEW QUESTION 100

- (Exam Topic 4)

You are creating a Microsoft Power BI imported data model to perform basket analysis. The goal of the analysis is to identify which products are usually bought together in the same transaction across and within sales territories.
 You import a fact table named Sales as shown in the exhibit. (Click the Exhibit tab.)

Column name	Data type	Description
SalesRowID	Integer	ID of the row from the source system, which represents a unique combination of SalesOrderNumber and SalesOrderLineNumber
ProductKey	Integer	Surrogate key that relates to the product dimension
OrderDateKey	Integer	Surrogate key that relates to the date dimension and is in the YYYYMMDD format
OrderDate	Datetime	Date and time an order was processed
CustomerKey	Integer	Surrogate key that relates to the customer dimension
SalesTerritoryKey	Integer	Surrogate key that relates to the sales territory dimension
SalesOrderNumber	Integer	Unique identifier of an order
SalesOrderLineNumber	Integer	Unique identifier of a line within an order
OrderQuantity	Integer	Quantity of the product ordered
LineTotal	Decimal	Total sales amount of a line before tax
TaxAmt	Decimal	Amount of tax charged for the items on a specified line within an order
Freight	Decimal	Amount of freight charged for the items on a specified line within an order
LastModified	Datetime	The date and time that a row was last modified in the source system
AuditID	Integer	The ID of the data load process that last updated a row

The related dimension tables are imported into the model.
 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 SalesRowID and AuditID columns can be removed from the model without impeding the analysis goals.	<input type="radio"/>	<input type="radio"/>
Both the OrderDateKey and OrderDate columns are necessary to perform the basket analysis.	<input type="radio"/>	<input type="radio"/>
The TaxAmt column must retain the current number of decimal places to perform the basket analysis.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Reference:
<https://finance-bi.com/power-bi-basket-analysis/>

NEW QUESTION 103

- (Exam Topic 4)

You have a Power BI report that uses a dataset based on an Azure Analysis Services live connection. You need to ensure that users can use Q&A from the Power BI service for the dataset.
 What should you do?

- A. From the Power BI service, add an enterprise gateway to the dataset.
- B. From Power BI Desktop, add synonyms and suggested questions.
- C. From Power BI Desktop, add a Q&A visual to the report.
- D. From the Power Bi service, select Turn on Q& A for this dataset.

Answer: D

NEW QUESTION 105

- (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.



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 108

- (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)

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 115

- (Exam Topic 4)

You have an API that returns more than 100 columns. The following is a sample of column names.

- > client_notified_timestamp
- > client_notified_source
- > client_notified_sourceid
- > client_notified_value
- > client_responded_timestamp
- > client_responded_source
- > client_responded_sourceid
- > client_responded_value

You plan to include only a subset of the returned columns.

You need to remove any columns that have a suffix of sourceid.

How should you complete the Power Query M code? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

```
let
Source = ...,
rawData = Source{[tableId= "clientData"]}[Data],
removeSources = 
    Table.CombineColumn(
        Table.RemoveColumns(
            Table.ColumnNames(rawData),
            List.Select(
                Table.FromList(
                    Text.EndsWith(
                        each(
                            Text.From(
                                Text.StartsWith(
                                    ...
                                )
                            )
                        )
                    )
                )
            )
        )
    )
in
    removeSources
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Table.RemoveColumns

When you do "Remove Columns" Power Query uses the Table.RemoveColumns function

Box 2: List.Select
Get a list of columns.

NEW QUESTION 118

- (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:

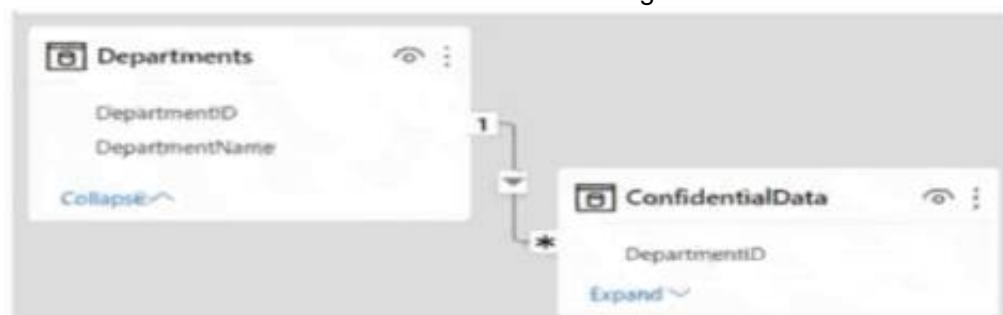
We have to import Excel files from SharePoint, so we need the connector SharePoint folder which is used to get access to the files stored in the library. SharePoint list is a collection of content that has rows and columns (like a table) and is used for task lists, calendars, etc. Since we have to filter 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 123

- (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 127

- (Exam Topic 4)

You have a table that contains sales data and approximately 1,000 rows.

You need to identify outliers in the table. Which type of visualization should you use?

- A. area chart
- B. donut chart
- C. scatter plot
- D. pie chart

Answer: C

Explanation:

Outliers are those data points that lie outside the overall pattern of distribution & the easiest way to detect outliers is through graphs. Box plots, Scatter plots can help detect them easily.

Reference:

<https://towardsdatascience.com/this-article-is-about-identifying-outliers-through-funnel-plots-using-the-microso>

NEW QUESTION 128

- (Exam Topic 4)

The Sales table contains records of sales by day from the last five years up until today's date.

You plan to create a measure to return the total sales Of March 2021 when March 2022 is selected. Which DAX expression should you use?

- A. `TOTALYTD (SUM(Sales[Sales]), dimDate[Date])`
- B. `Calculate (SUM(Sales[Sales]), SAMEPERIODOLASTYEAR(dimDate[Date]))`
- C. `SUM(Sales[Sales])`
- D. `Calculate (SUM(Sales[Sales]), PREVIOUSYEAR(dimDate[Date]))`

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

Answer: B

NEW QUESTION 130

- (Exam Topic 4)

You have a Power BI workspace that contains a dataset. a report, and a dashboard. The following groups have access:

- External users can access the dashboard.
- Managers can access the dashboard and a manager-specific report.
- Employees can access the dashboard and a row-level security (RLS) constrained report.

You need all users, including the external users, to be able to tag workspace administrators if they identify an issue with the dashboard. The solution must ensure that other users see the issues that were raised.

What should you use?

- A. subscriptions
- B. comments
- C. alerts
- D. chat in Microsoft Teams

Answer: A

NEW QUESTION 134

- (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 135

- (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 139

- (Exam Topic 4)

You attempt to connect Purer 81 Desktop to a Cassandra database.

From the Get Data connector list you discover that there is no specific connector for the Cassandra database, You need to select an alternate data connector that will connect to the database.

Which of connector should you choose?

- A. Microsoft SQL Server database
- B. ODBC
- C. OData
- D. OLE DB

Answer: B

NEW QUESTION 141

- (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.

	^B _C IoT GUID	^B _C IoT DateTime	¹² ₃ IoT ID
	<ul style="list-style-type: none"> Valid 100% Error 0% Empty 0% 	<ul style="list-style-type: none"> Valid 100% Error 0% Empty 0% 	<ul style="list-style-type: none"> Valid 100% Error 0% Empty 0%
1	48196321-38D9-EC11-B83D-0022489A2...	21/05/2022 18:59:25	100001000
2	49196321-38D9-EC11-B83D-0022489A2...	21/05/2022 18:59:26	100001001
3	0300C742-38D9-EC11-B83D-0022489A2...	21/05/2022 19:00:21	100001002
4	0400C742-38D9-EC11-B83D-0022489A2...	21/05/2022 19:00:21	100001003
5	0500C742-38D9-EC11-B83D-0022489A2...	21/05/2022 19:00:21	100001004
6	0600C742-38D9-EC11-B83D-0022489A2...	21/05/2022 19:00:21	100001005

The IOT ID columns are unique to each row in query.

You need to analyze 10T events by the hour and day of the year. The solution must improve dataset performance.

Solution: You change the IOT DateTime column to the Date data type. Does this meet the goal?

- A. Yes
- B. No

Answer: A

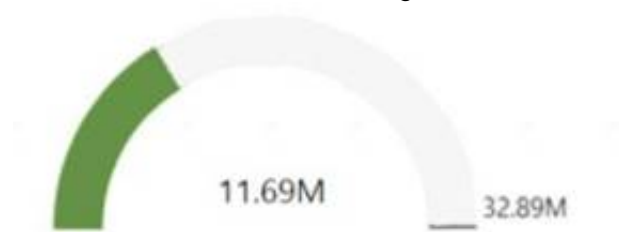
NEW QUESTION 143

- (Exam Topic 4)

You have a Power BI model that contains a table named Sales. Sales has the following three measures:

- A measure named Total Sales Last Year that displays the sales from the previous calendar year. The current value is 32.89 million.
- A measure named Total Sales This Year that displays the sales from the current calendar year. The current value is 11.69 million.
- A measure named Total Sales Difference that uses a DAX formula of Sales[Last Year] – Sales[This Year].

You need to create the following visualization.



How should you configure the visualization? To answer, drag the appropriate measures to the correct fields. 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.

Measures

Answer Area

Total Sales Difference	Value:	
Total Sales Last Year	Maximum value:	
Total Sales This Year	Target value:	

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Diagram, table Description automatically generated

References:

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

NEW QUESTION 147

- (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 150

- (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 m 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?

- A. Create a column by example that starts with 2018-12-31.
- B. Create a column by example that starts with 2018-12-31 and set the data type of the new column to Date
- C. Apply the parse function from the Date transformations options to the Logged column.
- D. 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 153

- (Exam Topic 4)

You have a Microsoft Excel workbook that contains two tables. From Power BI, you create a dashboard that displays data from the tables. You update the tables each day. You need to ensure that the virtualizations in the dashboard are updated daily. Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to answer area and arrange them in the correct order.

Actions

For each dataset, modify the Schedule Refresh settings.

Download and install an on-premises data gateway (personal).

For each dataset, modify the Gateway Connection settings.

Add subscriptions for the reports.

Download and install Power BI Desktop.

Answer Area

>

<

<

>

- A. Mastered
- B. Not Mastered

Answer: A

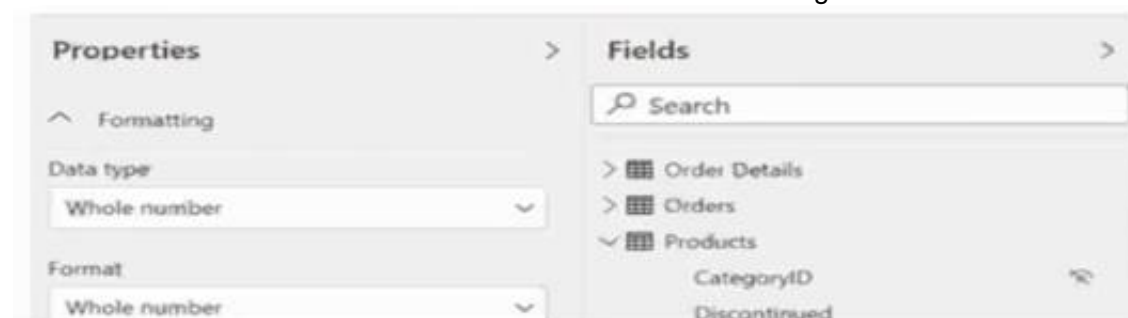
Explanation:

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

NEW QUESTION 158

- (Exam Topic 4)

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



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.

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.

- 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.

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.

NEW QUESTION 160

- (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 publish an app to the entire organization.

Does this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

<https://docs.microsoft.com/es-es/power-bi/collaborate-share/service-create-distribute-apps>

NEW QUESTION 163

- (Exam Topic 4)

You have the dataset shown in the following exhibit.

City	Sales Profit
Abbottsburg	\$173,947
Absecon	\$129,358
Accomac	\$157,768
Aceitunas	\$119,283
Airport Drive	\$162,500
Akhiok	\$259,554
Alcester	\$127,040
Alden Bridge	\$152,138
Alstead	\$106,147
Amado	\$136,718
Amanda Park	\$117,444
Andrix	\$130,710
Annamoriah	\$139,499
Antares	\$147,562
Antonio	\$113,056
Total	\$85,729,181

You need to ensure that the visual shows only the 10 cities that have the highest sales profit. What should you do?

- A. Add a Top N filter to the visual.
- B. Configure the Sales Profit measure to use the RANKX function.
- C. Add a calculated column to the table that uses the TOPN function.
- D. In the visual, replace Sales Profit with the calculated column.
- E. Add a calculated column to the table that returns the city name if the city is in the top 10, otherwise the calculated column will return "Not in Top 10". In the visual, replace Sales Profit with the calculated column.

Answer: A

Explanation:

Power BI Top N Filters are useful to display the top performing records, and Bottom N filters are helpful to display the least performing records. For example, we can display top or bottom 10 products by orders or sales.

Note:

- > Select the Column you want to display the Top Sales Profit
- > Then change the Filter Type of that Column to Top N
- > Fill in Top / Bottom number field
- > And lastly drag to the By Value field your Sales Profit Reference:

<https://www.tutorialgateway.org/power-bi-top-10-filters/>

NEW QUESTION 166

- (Exam Topic 4)

You have a prospective customer list that contains 1,500 rows of data. The list contains the following fields: > First name

- > Last name
- > Email address
- > State/Region
- > Phone number

You import the list into Power Query Editor.

You need to ensure that the list contains records for each State/Region to which you want to target a marketing campaign.

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

- A. Open the Advanced Editor.
- B. Select Column quality.
- C. Enable Column profiling based on entire dataset.
- D. Select Column distribution.
- E. Select Column profile.

Answer: CE

Explanation:

In Power query, the load preview by default is 1000 row. By default, the column quality also only looks at the first 1000 row. You can verify this by the status bar at the bottom of the Power query window. To change the profiling so it analyses the entire column of data, select the profiling status in the status bar. Then select Column profiling based on the entire data set.

<https://theexcelclub.com/data-profiling-views-in-power-query-excel-and-power-bi/>

NEW QUESTION 169

- (Exam Topic 4)

You have a Power BI model that has the following tables:

- > Product (Product_id, Product_Name)
- > Sales (Order_id, Order_Date, Product_id, Salesperson_id, Sales_Amount)
- > Salesperson (Salesperson_id, Salesperson_name, address)

You plan to create the following measure. Measure1 = DISTINCTCOUNT(Sales[ProductID]) You need to create the following relationships:

- > Sales to Product
- > Sales to Salesperson

The solution must ensure that you can use Measure1 to display the count of products sold by each salesperson. How should you configure the relationships? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Cardinality:

Many to One (*:1)

One to Many (1:*)

One to One (1:1)

Cross filter direction:

Both

Single

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text Description automatically generated

NEW QUESTION 171

- (Exam Topic 4)

You plan to embed multiple visualization in a public website.

Your Power BI infrastructure contains the visualizations configured as shown in the following table.

Visualization name	Characteristic
Visual1	Uses row-level security (RLS)
Visual2	Uses a dataset that is stored in Microsoft OneDrive for Business
Visual3	Contained in a report that was shared to your user account
Visual4	Is a custom visual
Visual5	Uses a dataset from an on-premises Microsoft SQL Server Analysis Services (SSAS) database

Which two visualizations can you embed into the website? Each correct answer presents a complete the solution. NOTE: Each correct selection is worth one point.

- A. Visual1
- B. Visual2
- C. Visual3
- D. Visual4
- E. Visual5

Answer: BD

Explanation:

References: <https://docs.microsoft.com/en-us/power-bi/service-publish-to-web>

NEW QUESTION 173

- (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 178

- (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

one-to-many

relationship between the Sales Employees table and the

Customer Details worksheet

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Create a

one-to-many

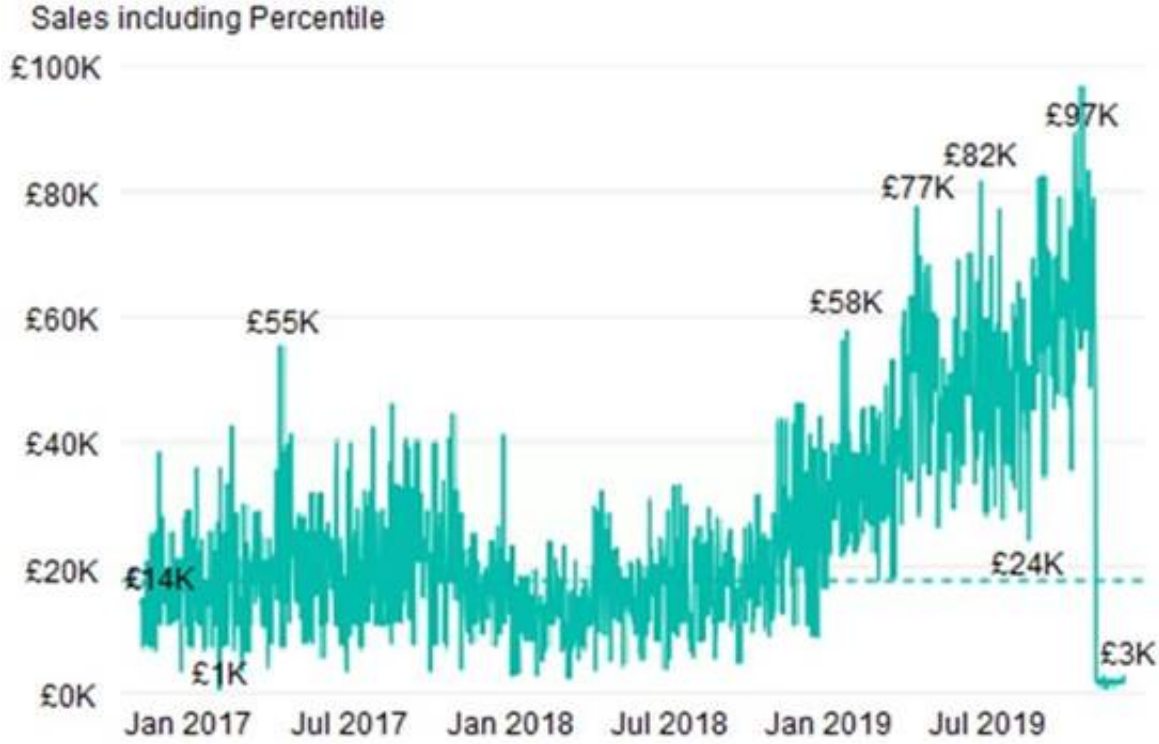
relationship between the Sales Employees table and the

Customer Details worksheet

NEW QUESTION 183

- (Exam Topic 4)

You plan to create the chart shown in the following exhibit.



How should you create the dashed horizontal line denoting the 40th percentile of daily sales for the period shown?

- A. Create a horizontal line that has a fixed value of 24,000.
- B. Add a measure to the visual that uses the following DAX expression.Heasurel - PERCENTUEX.EXC (Sales,Sales[Total Sales],©.40)
- C. Add a new percentile line that uses Total Sales as the measure and 40% as the percentile.
- D. Add a measure to the visual that uses the following DAX expression.Heasurel = PERCENTILEX.INC (Sales,Sales[Total Sales],6.40)

Answer: C

Explanation:

The analytics feature enables you to show percentiles across groups specified along a specific axis. Example:

- * 1. Click on the analytics tab
- * 2. Select Percentile
- * 3. You can choose a specific percentile along with other formatting options.
- * 4. Drag a date or non-numeric dimension into the Axis of a column chart

Constant Line

Analytics

Min Line

1

Max Line

1

Average Line

Median Line

Percentile Line

1

Percentile Line

1

myPercentile

×

+

Add

Measure

Revenue

Perc...

90 %

Color

Add percentile lines to monitor daily revenue



NEW QUESTION 188

- (Exam Topic 4)

You are building a dataset from a JSON file that contains an array of documents. You need to import attributes as columns from all the documents in the JSON file. The solution must ensure that date attributes can be used as date hierarchies in Microsoft Power BI reports. 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

Expand the columns.

Expand the records.

Add columns that use data type conversions.

Set the data types.

Convert the list to a table.

Answer Area

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
* 1- Convert list to table
* 2- Expand Column

* 3- Set Date type
 Here is an example: <https://youtu.be/B4kzyxnhQfl> The definition of the function which expand columns:
<https://docs.microsoft.com/en-us/powerquery-m/table-expandrecordcolumn>

NEW QUESTION 190

- (Exam Topic 4)
 You have a Power BI report. You have the following tables.

Name	Description
Balances	The table contains daily records of closing balances for every active bank account. The closing balances appear for every day the account is live, including the last day.
Date	The table contains a record per day for the calendar years of 2000 to 2025. There is a hierarchy for financial year, quarter, month, and day.

You have the following DAX measure.

```
Accounts :=
CALCULATE (
```

Answer Area

Statements	Yes	No
A table visual that displays the date hierarchy at the year level and the [Accounts] measure will show the total number of accounts that were live throughout the year.	<input type="radio"/>	<input type="radio"/>
A table visual that displays the date hierarchy at the month level and the [Accounts] measure will show the total number of accounts that were live throughout the month.	<input type="radio"/>	<input type="radio"/>
A table visual that displays the date hierarchy at the day level and the [Accounts] measure will show the total number of accounts that were live that day.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
A table visual that displays the date hierarchy at the year level and the [Accounts] measure will show the total number of accounts that were live throughout the year.	<input type="radio"/>	<input checked="" type="radio"/>
A table visual that displays the date hierarchy at the month level and the [Accounts] measure will show the total number of accounts that were live throughout the month.	<input type="radio"/>	<input checked="" type="radio"/>
A table visual that displays the date hierarchy at the day level and the [Accounts] measure will show the total number of accounts that were live that day.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 195

- (Exam Topic 4)
 You need to create a visual as shown in the following exhibit.

MonthName	Total Sales	Sales Last Year	% Growth to Last Year
January	£559,263.79	£144,365.51	74.19%
February	£583,915.29	£215,923.28	63.02%
March	£684,091.92	£211,347.46	69.11%
April	£957,686.49	£350,270.97	63.43%
May	£841,473.26	£310,708.65	63.08%
June	£876,911.71	£298,356.83	65.98%
July	£922,410.09	£348,435.28	62.23%
August	£1,002,219.24	£388,213.68	61.26%
September	£1,152,976.22	£407,595.76	64.65%
October	£1,262,647.67	£465,583.06	63.13%
November	£555,548.44	£555,548.44	0.00%
December	£553,615.45	£553,615.45	0.00%
Total	£9,952,759.56	£4,249,964.36	57.30%

The indicator color for Total Sales will be based on % Growth to Last Year. The solution must use the existing calculations only.
 How should you configure the visual? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

Conditional formatting:

Background color

Data bars

Font color

Icons

Web URL

Format by:

Color scale

Field value

Rules

- A. Mastered
- B. Not Mastered

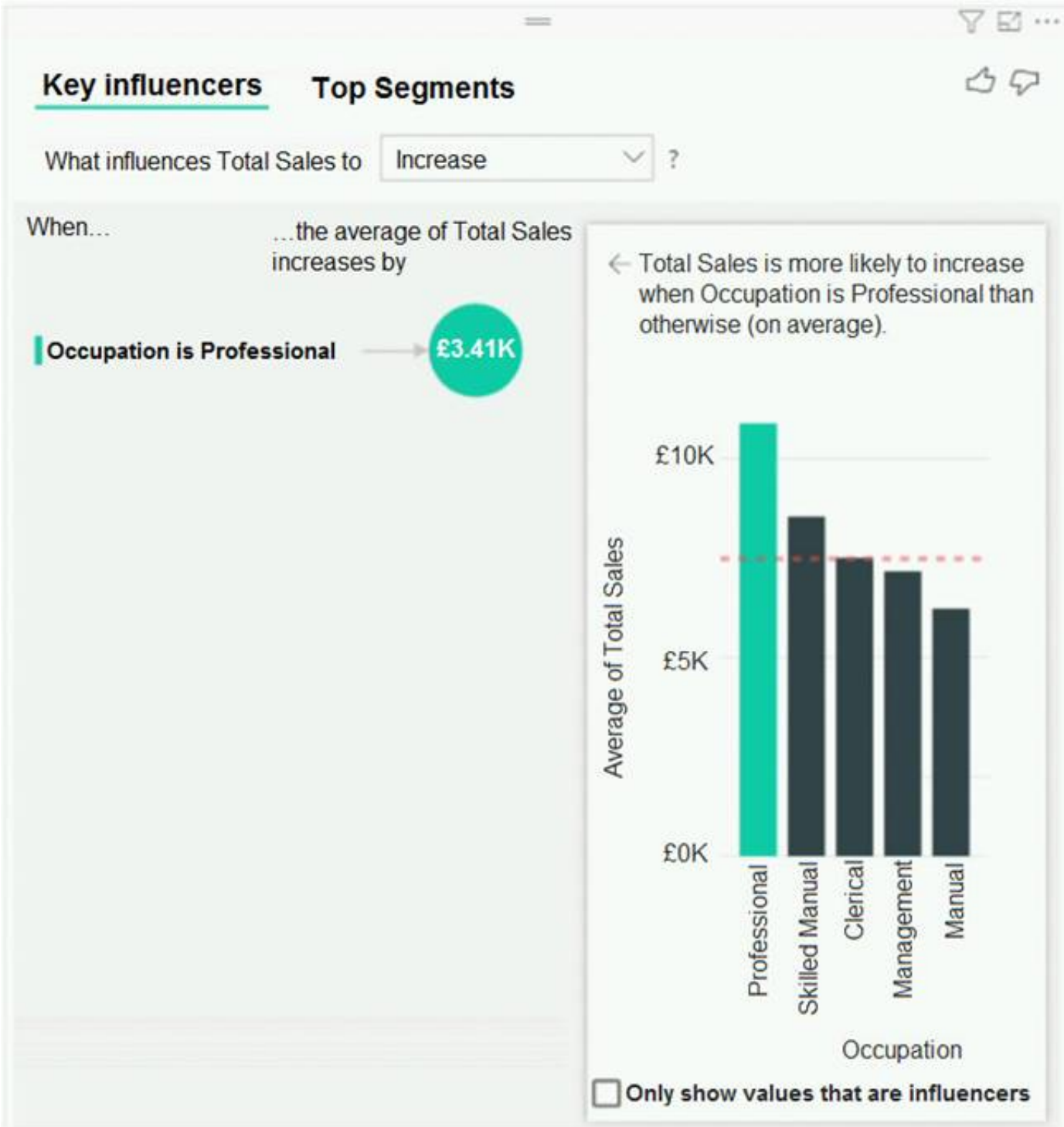
Answer: A

Explanation:

Box 1: Background color
To format the Color column based on its field values, select Conditional formatting for the Color field, and then select Background color or Font color. In the Background color or Font color dialog box, select Field value from the Format by drop-down field. Box 2: Field value
With conditional formatting for tables in Power BI Desktop, you can specify customized cell colors, including color gradients, based on field values.
Reference:
<https://docs.microsoft.com/en-us/power-bi/create-reports/desktop-conditional-table-formatting>

NEW QUESTION 200

- (Exam Topic 4)
You have a table that contains the following three columns:
> City
> Total Sales
> Occupation
You need to create a key influencers visualization as shown in the exhibit. (Click the Exhibit tab.)



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

Answer Area

Analyze:

	▼
City	
Occupation	
Total Sales	

Explain by:

	▼
City	
Occupation	
Total Sales	

Expand by:

	▼
City	
Occupation	
Total Sales	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Total Sales

Box 2: Occupation

Box 3: City

You can use Expand By to add fields you want to use for setting the level of the analysis without looking for new influencers.

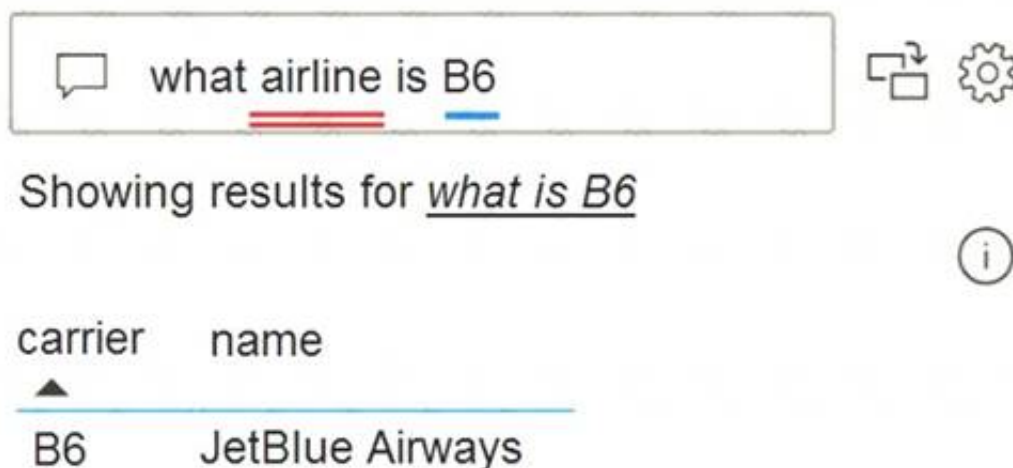
Reference:

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

NEW QUESTION 201

- (Exam Topic 4)

You have a Q&A visual that displays information from a table named Carriers as shown in the following exhibit.



carrier	name
B6	JetBlue Airways

You need to ensure that users can ask questions by using the term airline or carrier. The solution must minimize changes to the data model. What should you do?

- A. Add a duplicate query named Airline.
- B. Add airline as a synonym of carrier.
- C. Rename the carrier column as airline in the Carriers query.
- D. Rename the query from Carriers to airlines.

Answer: B

Explanation:

Add synonyms to tables and columns: 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 can be important. Even with straightforward table and column names, users of Q&A ask questions using the vocabulary that first comes to them. They're not choosing from a predefined list of columns. The more sensible synonyms you add, the better your users' experience is with your report.

Reference:

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

NEW QUESTION 205

- (Exam Topic 4)

You have a Power BI report. The report contains a visual that shows gross sales by date. The visual has anomaly detection enabled.

No anomalies are detected.

You need to increase the likelihood that anomaly detection will identify anomalies in the report. What should you do?

- A. Add a data field to the Secondary values field well

- B. Increase the Sensitivity setting.
- C. Increase the Expected range transparency setting,
- D. Add a data field to the Legend field well

Answer: B

Explanation:

If you increase the sensitivity, the algorithm is more sensitive to changes in your data. In that case, even a slight deviation is marked as an anomaly. If you decrease the sensitivity, the algorithm is more selective on what it considers an anomaly. reference:
<https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-anomaly-detection>

NEW QUESTION 210

- (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 213

- (Exam Topic 4)

You have an app workspace named Retail Analysis in the Power BI service. You need manage the members that have access to the app workspace. What should you do?

- A. From the Power BI Admin portal, click Usage metrics.
- B. From the Office 365 Admin center, click Users.
- C. From the Office 365 Admin center, click Groups.
- D. From the Power BI Admin portal, click Tenant settings.

Answer: C

Explanation:

References:

<https://docs.microsoft.com/en-us/power-bi/service-manage-app-workspace-in-power-bi-and-office-365>

NEW QUESTION 215

- (Exam Topic 4)

You have a Microsoft Power BI data model that contains three tables named Orders, Date, and City. There is a one-to-many relationship between Date and Orders and between City and Orders.

The model contains two row-level security (RLS) roles named Role1 and Role2. Role1 contains the following filter.

City[State Province] = "Kentucky"

Role2 contains the following filter. Date[Calendar Year] = 2020

If a user is a member of both Role1 and Role2, what data will they see in a report that uses the model?

- A. The user will see data for which the State Province value is Kentucky and the Calendar Year is 2020.
- B. The user will see data for which the State Province value is Kentucky or the Calendar Year is 2020.
- C. The user will see only data for which the State Province value is Kentucky.
- D. The user will receive an error and will not be able to see the data in the report.

Answer: B

Explanation:

When a report user is assigned to multiple roles, RLS filters become additive. It means report users can see table rows that represent the union of those filters.

Reference:

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

NEW QUESTION 218

- (Exam Topic 4)

You need to create a Power BI theme that will be used in multiple reports. The theme will include corporate branding for font size, color, and bar chart formatting.

What should you do?

- A. Create a theme as a PBIVIZ file and import the theme into Power BI Desktop.
- B. Create a theme as a JSON file and import the theme into Power BI Desktop.
- C. From Power BI Desktop, use a built-in report theme.
- D. From Power BI Desktop, customize the current theme.

Answer: D

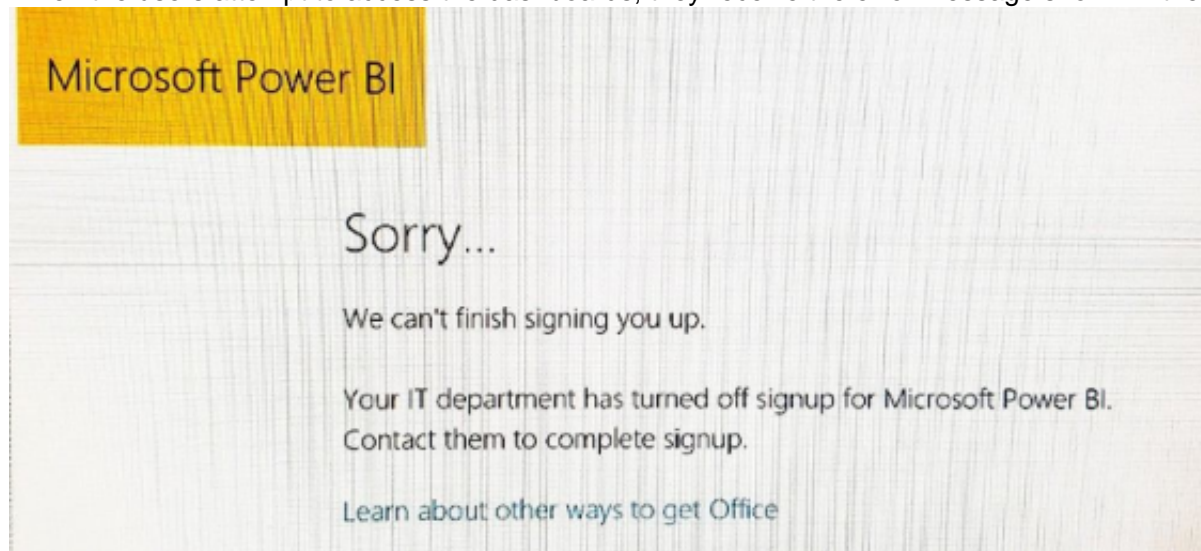
NEW QUESTION 221

- (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 225

- (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 230

- (Exam Topic 4)

You create the following step by using Power Query Editor.

```
= Table.ReplaceValue(SalesLT_Address,"1318","1319",Replacer.ReplaceText,{"AddressLine1"})
```

A row has a value of 21318 Lasalle Street in the AddressLine1 column. What will the value be when the step is applied?

- A. 1318
- B. 1319
- C. 21318 Lasalle Street
- D. 21319 Lasalle Street

Answer: D

Explanation:

Example:

Replace the text "ur" with the text "or" in the table.


```
Table.ReplaceValue(
    Table.FromRecords({
        [a = 1, b = "hello"],
        [a = 3, b = "world"]
    }),
    "ur",
    "or",
    Replacer.ReplaceText,
    {"b"}
)
```

a	b
1	hello
3	world

Reference:

<https://docs.microsoft.com/en-us/powerquery-m/table-replacevalue>

NEW QUESTION 233

- (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 enable included in app for all assets.

Does this meet the goal?

A. Yes

B. No

Answer: B

NEW QUESTION 237

- (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 DateURLTitleFull TextSummary
Traffic	Website logs	Activity data from your company's entire website	<ul style="list-style-type: none">DateTimeURL VisitedIP AddressBrowser AgentReferring 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 toad times.

Which two actions will reduce the toad 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 240

- (Exam Topic 4)

You have a Power BI report that contains a measure named Total Sales.

You need to create a new measure that will return the sum of Total Sales for a year up to a selected date. 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.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer as selected.

Answer Area

```
Measure =
TOTALYTD (
    [Total Sales],
    Date[Date]
)
```

NEW QUESTION 244

- (Exam Topic 4)

You have a report that contains four pages. Each page contains slicers for the same four fields. Users report that when they select values on a slicer on one page, the visuals are not updated on all the pages. You need to recommend a solution to ensure that users can select a value once to filter the results on all the pages.

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

- A. Sync the slicers across the pages.
- B. Replace the slicers with page-level filters.
- C. Replace the slicers with visual-level filters.
- D. Create a bookmark for each slicer value.
- E. Replace the slicers with report-level filters.

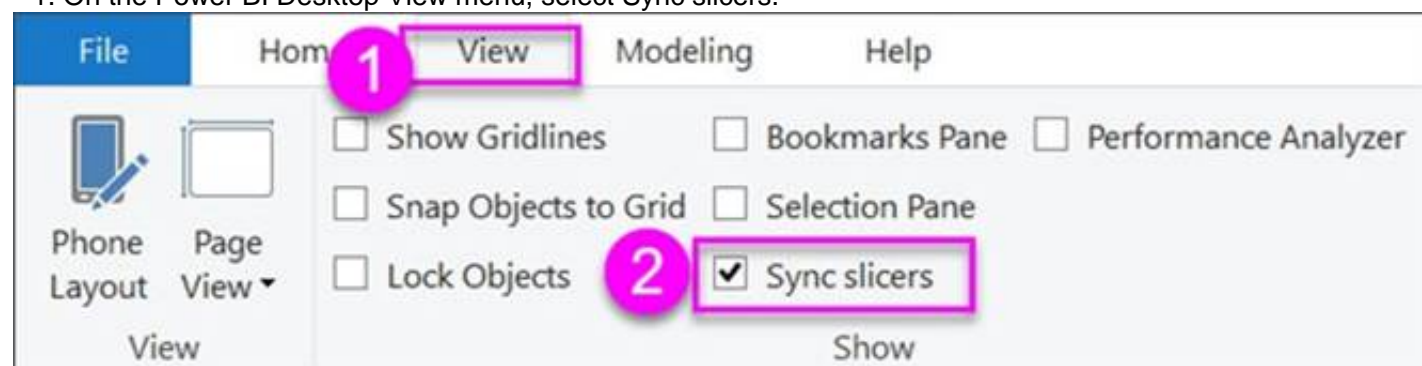
Answer: AE

Explanation:

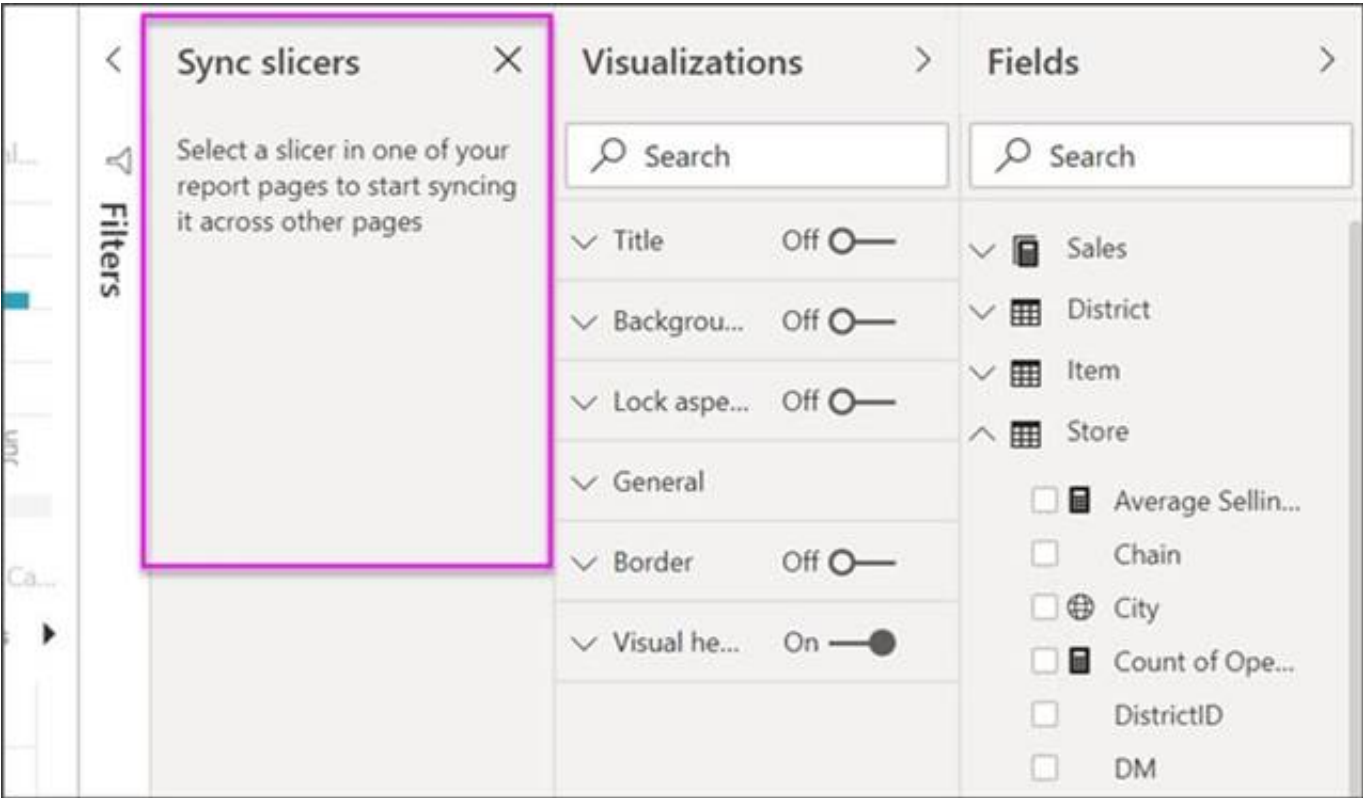
Add a report-level filter to filter an entire report.

The visuals on the active page, and on all pages in the report, change to reflect the new filter. You can sync a slicer and use it on any or all pages in a report.

* 1. On the Power BI Desktop View menu, select Sync slicers.



The Sync slicers pane appears between the Filters and Visualizations panes.



Reference:
<https://docs.microsoft.com/en-us/power-bi/create-reports/power-bi-report-add-filter> <https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-slicers>

NEW QUESTION 245

- (Exam Topic 4)

You create a dataset sourced from dozens of flat files in Azure Blob storage. The dataset uses incremental refresh. From powerbi.com, you deploy the dataset and several related reports to Microsoft Power BI Premium capacity. You discover that the dataset refresh fails after the refresh runs out of resources. What is a possible cause of the issue?

- A. Query folding is not occurring.
- B. You selected Only refresh complete periods.
- C. The data type of the column used to partition the data changed.
- D. A filter is missing on the report.

Answer: A

Explanation:

The Power BI service partitions data based on date range. This is what enables only certain partitions to be refreshed incrementally. To make this work, the partition filter conditions are pushed down to the source system by including them in the queries. Using Power Query terminology, this is called “query folding”. It is not recommended that incremental refresh is used when the required query folding cannot take place.

Reference:
<https://powerbi.microsoft.com/en-us/blog/incremental-refresh-query-folding/>

NEW QUESTION 250

- (Exam Topic 4)

You are creating a report in Power BI Desktop. You load a data extract that includes a free text field named col1. 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 254

- (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 257

- (Exam Topic 4)

You are building a financial report by using Power BI.

You have a table named financials that contains a column named Date and a column named Sales.

You need to create a measure that calculates the relative change in sales as compared to the previous quarter. How should you complete the measure? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

```
Sales QoQ% =  
  
IF (  
  
    ISFILTERED('financials' [Date]),  
    ERROR("Uh oh."),  
    VAR PREV_QUARTER =  
        CALCULATE  
        CALCULATETABLE  
        DATEADD  
        DIVIDE  
        FILTER  
        FIND  
        SUM('financials' [Sales]),  
        ('financials' [Date].[Date], -1, QUARTER)  
    )  
    RETURN  
    (SUM('financials' [Sales]) - PREV_QUARTER, PREV_QUARTER)  
)
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application Description automatically generated

Box 1: CALCULATE

Box 2: DATEADD

Box 3: DIVIDE

Example: NET_SALES QoQ% = IF(

ISFILTERED('Calendar'[Date]),

ERROR("Time intelligence quick measures can only be grouped or filtered by the Power BI-provided date hierarchy or primary date column."),

VAR PREV_QUARTER =

CALCULATE(

SUM('research_ra_qtr_template'[NET_SALES]), DATEADD('Calendar'[Date].[Date], -1, QUARTER)

) RETURN DIVIDE(

SUM('research_ra_qtr_template'[NET_SALES]) - PREV_QUARTER,

PREV_QUARTER

)

)

Reference:

<https://community.powerbi.com/t5/Desktop/Error-calculating-QOQ-using-quick-measure/m-p/547054>

NEW QUESTION 261

- (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:

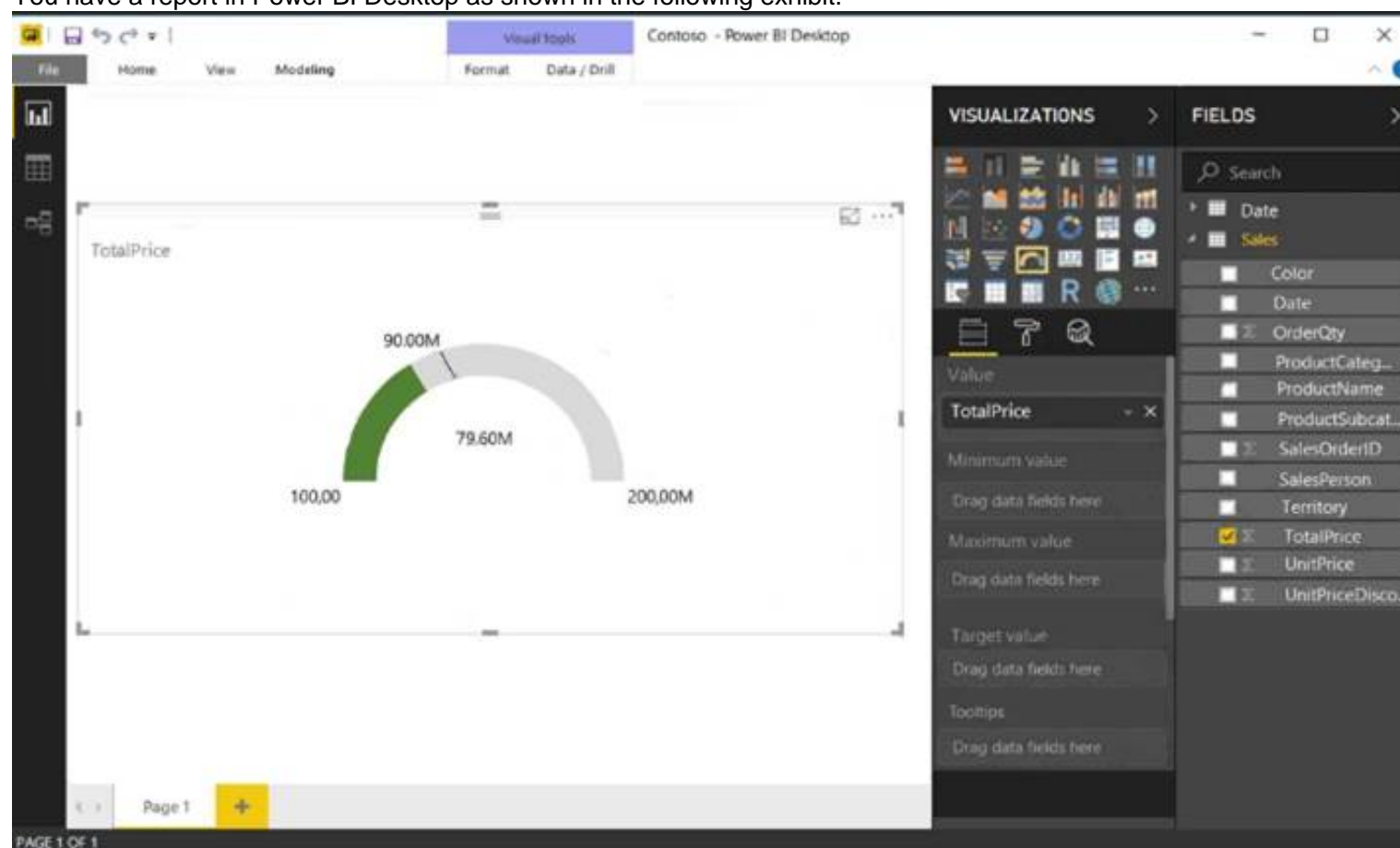
We need to click "Import", not "Connect". References:

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

NEW QUESTION 263

- (Exam Topic 4)

You have a report in Power BI Desktop 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.

The goal is set by using **[answer choice]**.

- a calculated measure
- a DAX formula
- the Format settings

To configure the visualization to display TotalPrice for the Territory of Canada always, you must add the Territory column to [answer choice].

- the Tooltips field
- the Values field
- the Visual level filters field

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text Description automatically generated with medium confidence

NEW QUESTION 267

- (Exam Topic 4)

You plan to create a report that will display sales data from the last year for multiple regions. You need to restrict access to individual rows of the data on a per region-basis by using roles.

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	Answer Area
Publish the report.	
Import the data to Power BI Desktop.	
Add a filter to the report.	
Create a role definition.	
Assign users to the role.	

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Actions	Answer Area
Publish the report.	Import the data to Power BI Desktop.
Import the data to Power BI Desktop.	Create a role definition.
Add a filter to the report.	Assign users to the role.
Create a role definition.	Publish the report.
Assign users to the role.	

NEW QUESTION 270

- (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


Fashions Direct

Lindseys

Sales By Postal Code

Sales By Month

This Year Sales by PostalCode



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

Chain

Fashions Direct

Lindseys

Sales By Postal Code

Sales By Month

This Year Sales by FiscalMonth



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 275

- (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

NEW QUESTION 276

- (Exam Topic 4)

You are developing a report page. Some users will navigate the report by using a keyboard, and some users will consume the report by using a screen reader. You need to ensure that the users can consume the content on a report page in a logical order. What should you configure in Microsoft Power BI Desktop?

- A. the bookmark order
B. the layer order
C. the tab order
D. the X position

Answer: C

Explanation:

If you find yourself unable to navigate to an object or visual while using a keyboard, it may be because the report author has decided to hide that object from the tab order. Report authors commonly hide decorative objects from the tab order. If you find that you cannot tab through a report in a logical manner, you should contact the report author. Report authors can set the tab order for objects and visuals.

Reference:

<https://docs.microsoft.com/en-us/power-bi/create-reports/desktop-accessibility-consuming-tools>

NEW QUESTION 279

- (Exam Topic 4)

You import a Power BI dataset that contains the following tables:

- Date
- Product
- Product Inventory

The Product inventory table contains 25 million rows. A sample of the data is shown in the following table.

ProductKey	DateKey	MovementDate	UnitCost	UnitsIn	UnitsOut	UnitsBalance
167	20101228	28-Dec-10	0.19	0	0	875
167	20101229	29-Dec-10	0.19	0	0	875
167	20110119	19-Jan-11	0.19	0	0	875
167	20110121	21-Jan-11	0.19	0	0	875
167	20110122	22-Jan-11	0.19	0	0	875

The Product Inventory table relates to the Date table by using the DateKey column. The Product inventory table relates to the Product table by using the ProductKey column. You need to reduce the size of the data model without losing information. What should you do?

- A. Change Summarization for DateKey to Don't Summarize.
- B. Change the data type of UnitCost to Integer.
- C. Remove the relationship between Date and Product Inventory.
- D. Remove MovementDate.

Answer: D

NEW QUESTION 280

- (Exam Topic 4)

You have a query named Customer that imports CSV files from a data lake. The query contains 500 rows as shown in the exhibit. (Click the Exhibit tab.)

Source.Name	Customer ID	Modified Date	Customer	Category
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 Customer20200104.csv	1	1/1/2020 12:00:00 AM	Tailspin Toys (Head Office)	Novelty Shop
2 Customer20200104.csv	2	1/1/2020 12:00:00 AM	Tailspin Toys (Sylvanite, MT)	Novelty Shop
3 Customer20200104.csv	3	1/1/2020 12:00:00 AM	Tailspin Toys (Peeples Valley, AZ)	Novelty Shop
4 Customer20200104.csv	4	1/4/2020 12:00:00 AM	Tailspin Toys (Medicine Lodge, KS)	Novelty Shop
5 Customer20200104.csv	5	1/4/2020 12:00:00 AM	Tailspin Toys (Gasport, NY)	Novelty Shop
6 Customer20200104.csv	6	1/4/2020 12:00:00 AM	Tailspin Toys (Jessie, ND)	Novelty Shop
7 Customer20200104.csv	7	1/4/2020 12:00:00 AM	Tailspin Toys (Frankewing, TN)	Novelty Shop
8 Customer20200104.csv	8	1/4/2020 12:00:00 AM	Tailspin Toys (Bow Mar, CO)	Novelty Shop
9 Customer20200104.csv	9	1/4/2020 12:00:00 AM	Tailspin Toys (Netcong, NJ)	Novelty Shop
10 Customer20200104.csv	10	1/4/2020 12:00:00 AM	Tailspin Toys (Wimbledon, ND)	Novelty Shop
11 Customer20200112.csv	1	1/12/2020 12:00:00 AM	Tailspin Toys (Head Office)	Novelty Shop
12 Customer20200112.csv	2	1/12/2020 12:00:00 AM	Tailspin Toys (Sylvanite, MT)	Novelty Shop
13 Customer20200112.csv	3	1/12/2020 12:00:00 AM	Tailspin Toys (Peeples Valley, AZ)	Novelty Shop
14 Customer20200112.csv	4	1/12/2020 12:00:00 AM	Tailspin Toys (Medicine Lodge, KS)	Novelty Shop
15 Customer20200112.csv	5	1/12/2020 12:00:00 AM	Tailspin Toys (Gasport, NY)	Novelty Shop
16 Customer20200112.csv	2	1/22/2020 12:00:00 AM	Tailspin Toys (Sylvanite, MT)	Novelty Shop
17 Customer20200112.csv	7	1/22/2020 12:00:00 AM	Tailspin Toys (Frankewing, TN)	Novelty Shop
18 Customer20200112.csv	8	1/22/2020 12:00:00 AM	Tailspin Toys (Bow Mar, CO)	Novelty Shop
19 Customer20200112.csv	9	1/22/2020 12:00:00 AM	Tailspin Toys (Netcong, NJ)	Novelty Shop
20 Customer20200112.csv	10	1/22/2020 12:00:00 AM	Tailspin Toys (Wimbledon, ND)	Novelty Shop

Each file contains deltas of any new or modified rows from each load to the data lake. Multiple files can have the same customer ID.

You need to keep only the last modified row for each customer ID.

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

Filter the Customer query on Modified Date is Latest.

Merge the CustomerGrouped query into the Customer query based on Customer ID and Modified Date by using a left outer join.

Remove duplicates in the Customer ID column.

Duplicate the Customer query and name the new query CustomerGrouped.

Group the CustomerGrouped query by Customer ID and output the max Modified Date value into a column named Modified Date.

Merge the two queries based on Customer ID and Modified Date by using an inner join.

Answer Area

⏪
⏩

⏴
⏵

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- 1) Duplicate Customer query
- 2) Group by CustId by Max ModifiedDate (only 2 columns to keep)
- 3) Merge two queries on CustId and ModifiedDate inner join (to retrieve other customer informations related to latest Date)

NEW QUESTION 281

- (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 285

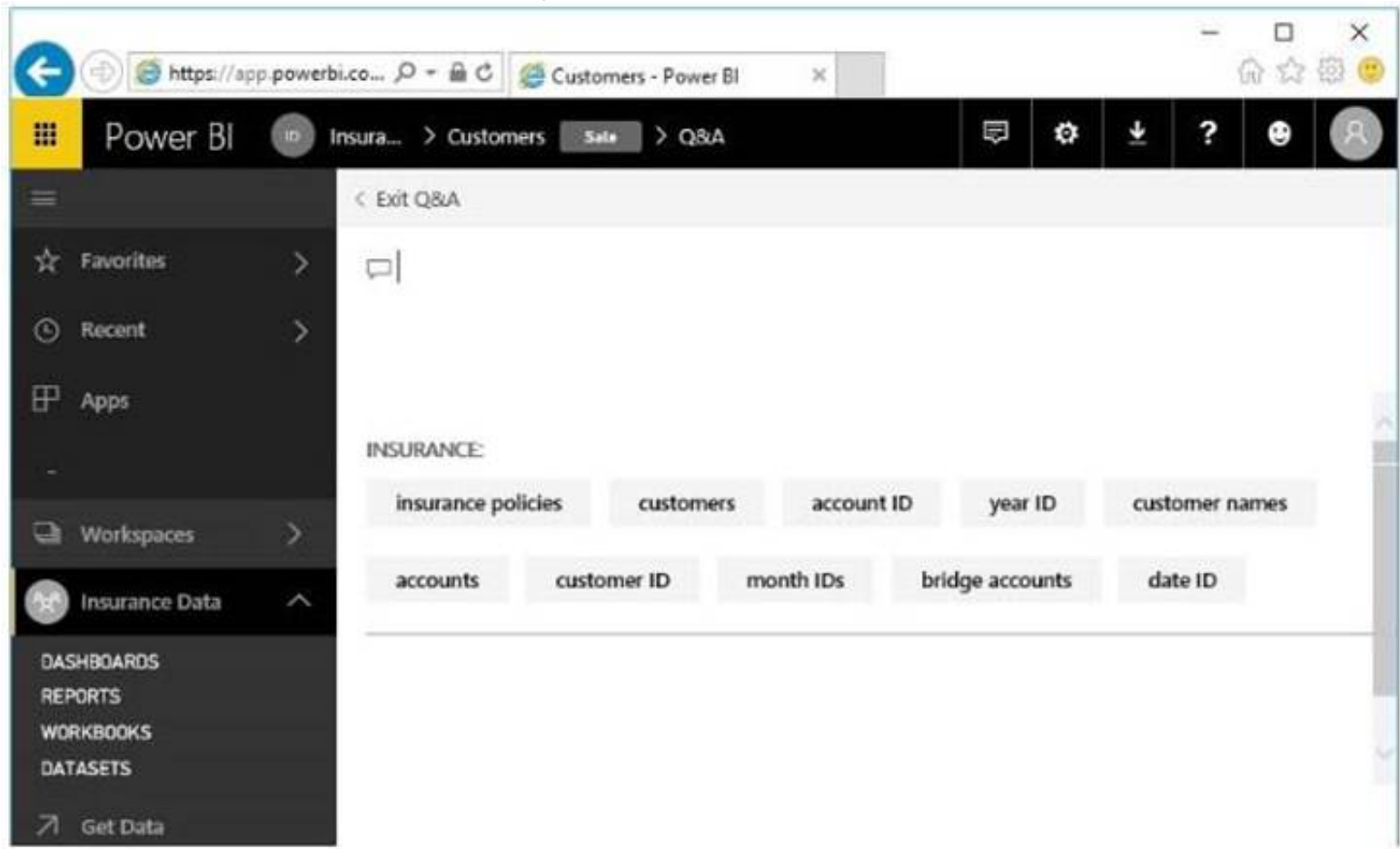
- (Exam Topic 4)
 Your company plans to completely separate development and production assets such as datasets, reports, and dashboards in Microsoft Power BI. You need to recommend an application lifecycle strategy. The solution must minimize maintenance to update access and prevent end users from viewing the development assets. What should you recommend?

- A. Create production reports in a separate workspace that uses a shared dataset from the development workspac
- B. Grant the end users access to the production workspace.
- C. In the same workspace, create separate copies of the assets and append DEV to the names of the copied asset
- D. Grant the end users access to the workspace.
- E. Create separate workspaces for development and productio
- F. Grant the end users access to the production workspace.
- G. Create one workspace for developmen
- H. From the workspace, publish an app for production.

Answer: C

NEW QUESTION 287

- (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 291

- (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 293

- (Exam Topic 4)

You have a Power BI report

You have a table named Dalai that contains 10 million rows. Data is used in the following visuals:

- A card that shows the number of records
 - A bar chart that shows total transaction amount by territory
 - A scatter plot that shows transaction amount and profit amount on the axes and points colored by territory
- You need to modify the scatter plot to make it easier for users to identify meaningful patterns. The solution must not affect the accuracy of the other visuals-What should you do?

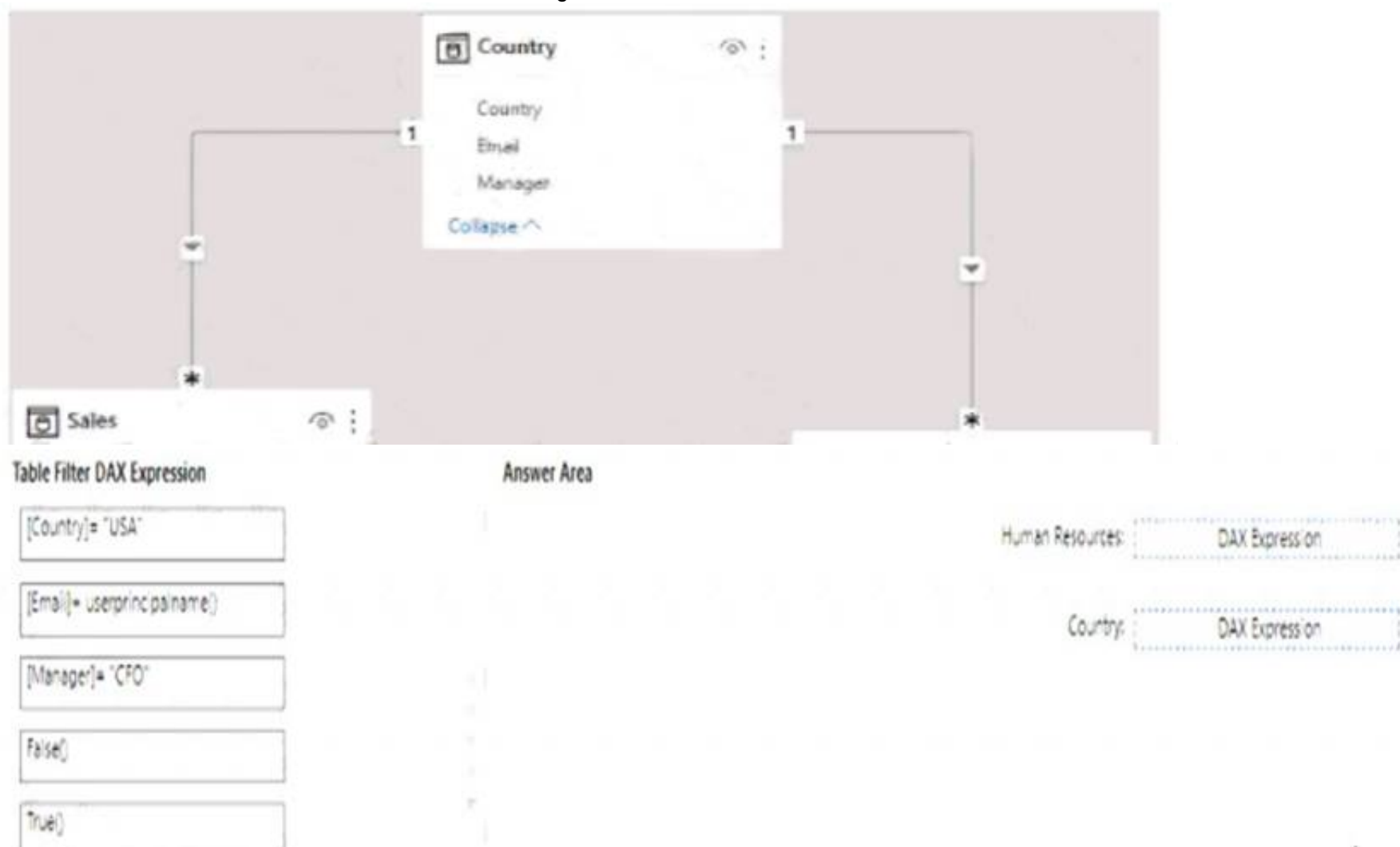
- A. Apply a row filter to the Dalai query in Power Query Editor.
B. Add a trend line to the scatter plot
C. Enable high-density sampling on the scatter plot
D. Add a count field of the transaction amount to the size bucket of the scatter plot

Answer: B

NEW QUESTION 294

- (Exam Topic 4)

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



A. Mastered

B. Not Mastered

Answer: A

Explanation:

Table Filter DAX Expression

[Country]="USA"

[Email]=userprincipalname()

[Manager]="CFO"

False()

True()

Answer Area

Human Resources: [Manager]="CFO"

Country: True()

NEW QUESTION 298

- (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 301

- (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

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

11

12

23

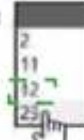
- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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



Apply for this category, non-blank values are included (includes blank), distinct values in the column are included

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



NEW QUESTION 305

- (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:

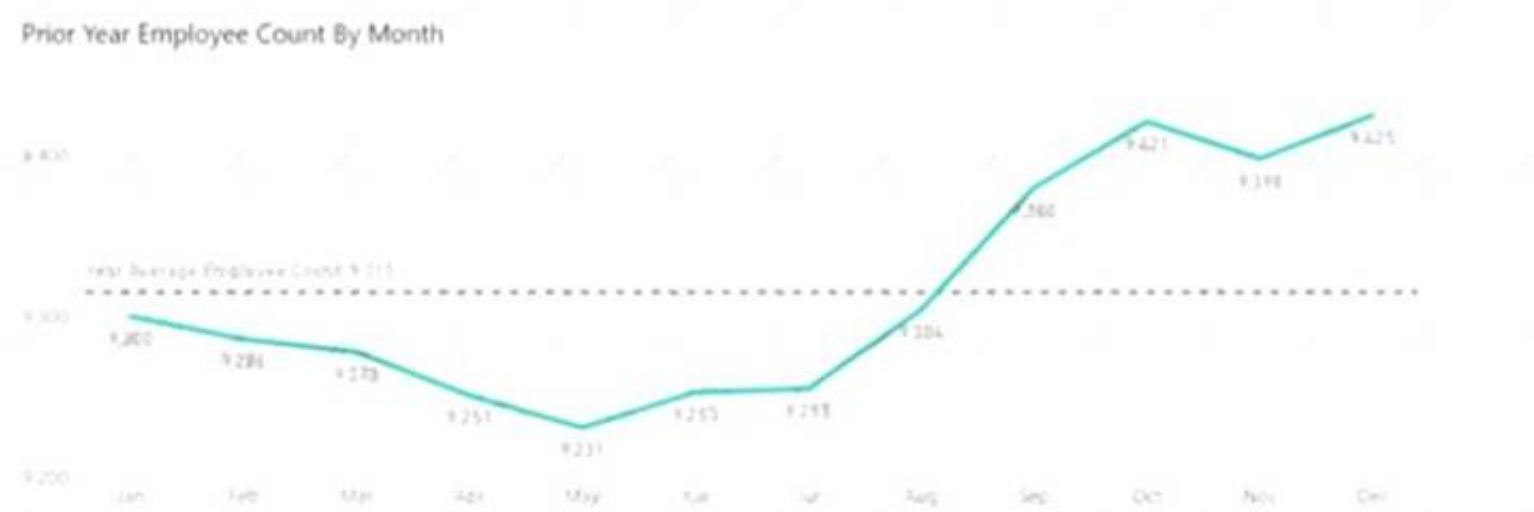
<https://docs.microsoft.com/en-us/dax/calculate-function-dax> <https://docs.microsoft.com/en-us/dax/count-function-dax> <https://docs.microsoft.com/en-us/dax/userelationship-function-dax>

NEW QUESTION 306

- (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.



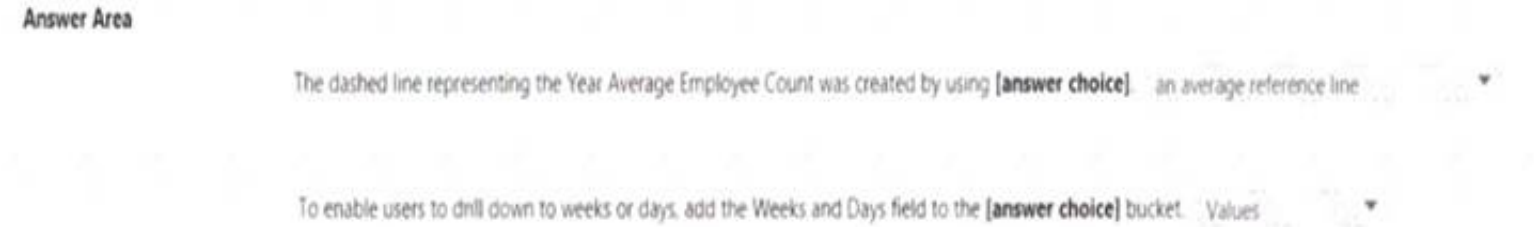
NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer as selected



NEW QUESTION 307

- (Exam Topic 4)

You have the visual shown in the Original exhibit. {Click the Original tab.}



You need to configure the visual as shown in the Modified exhibit. (Click the Modified tab.)



What should you add to the visual?

- A. a measure
- B. a trendline
- C. a forecast
- D. an Average line

Answer: C

Explanation:

Explore forecast results by adjusting the desired confidence interval or by adjusting outlier data to see how they affect results.

Timeline Description automatically generated with low confidence

Reference:

<https://powerbi.microsoft.com/fr-fr/blog/introducing-new-forecasting-capabilities-in-power-view-for-office-365>

NEW QUESTION 311

- (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 315

- (Exam Topic 4)

You have two tables named Customers and Invoice in a Power BI model. The Customers table contains the following fields:

- > CustomerID
- > Customer City
- > Customer State
- > Customer Name
- > Customer Address 1
- > Customer Address 2
- > Customer Postal Code

The Invoice table contains the following fields:

- > Order ID
- > Invoice ID
- > Invoice Date
- > Customer ID
- > Total Amount
- > Total Item Count

The Customers table is related to the Invoice table through the Customer ID columns. A customer can have many invoices within one month.

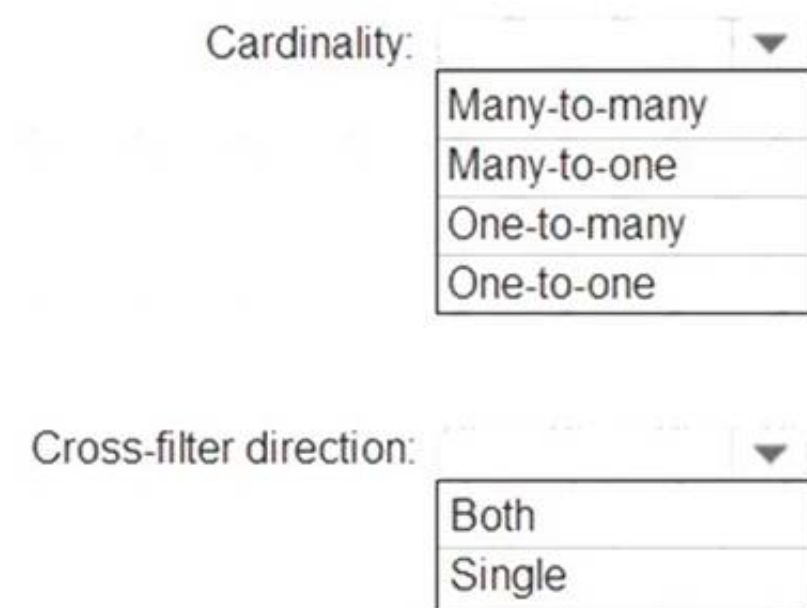
The Power BI model must provide the following information:

- > The number of customers invoiced in each state last month
- > The average invoice amount per customer in each postal code

You need to define the relationship from the Customers table to the Invoice table. The solution must optimize query performance.

What should you configure? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: One-to-many

A customer can have many invoices within one month.

Box 2: Single

For One-to-many relationships, the cross filter direction is always from the "one" side, and optionally from the "many" side (bi-directional). For Single cross filter direction means "single direction", and Both means "both directions". A relationship that filters in both directions is commonly described as bi-directional.

Reference:

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

NEW QUESTION 317

- (Exam Topic 4)

You are enhancing a Power BI model that has DAX calculations.

You need to create a measure that returns the year-to-date total sales from the same date of the previous calendar year.

Which DAX functions should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
Removing the LastUpdated column from the Sales table reduces the model size while still supporting the required analysis.	<input checked="" type="radio"/>	<input type="radio"/>
Removing the ProductID column from the Sales table reduces the model size while still supporting the required analysis.	<input checked="" type="radio"/>	<input type="radio"/>
Removing the ShipDate column from the Sales table reduces the model size while still supporting the required analysis.	<input type="radio"/>	<input checked="" type="radio"/>

NEW QUESTION 327

- (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 332

- (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?

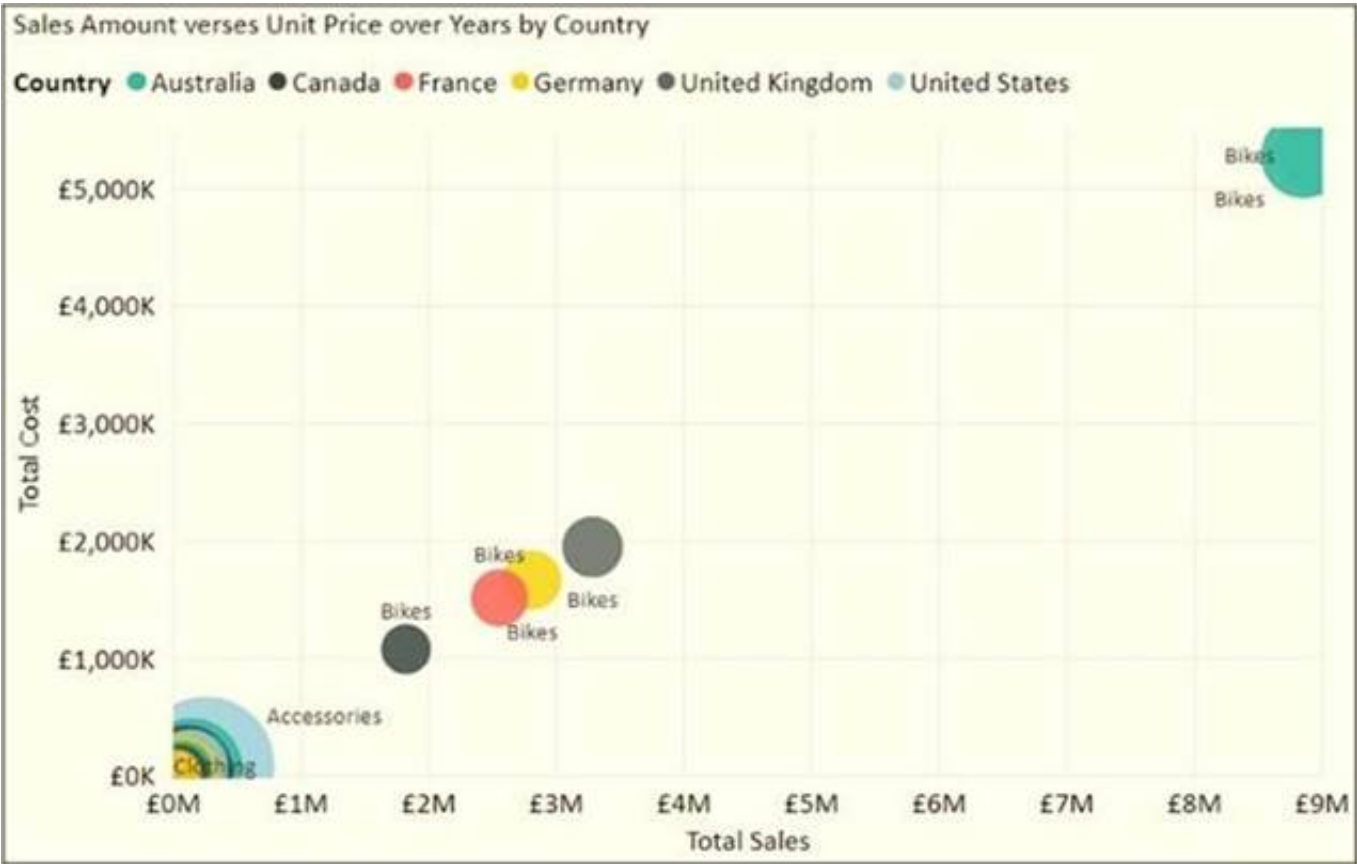
- A. key influencers
- B. decomposition tree
- C. Q&A
- D. smart narrative

Answer: A

NEW QUESTION 333

- (Exam Topic 4)

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



You need to show the relationship between Total Cost and Total Sales over time. What should you do?

- A. Add a play axis.
- B. Add a slicer for the year.
- C. From the Analytics pane, add an Average line.
- D. Create a DAX measure that calculates year-over-year growth.

Answer: A

Explanation:

You can set up a date field in play axis, and then scatter chart will animate how measure values are compared to each other in each point of a time.

Reference:

<https://radacad.com/storytelling-with-power-bi-scatter-chart>

NEW QUESTION 338

- (Exam Topic 4)

ion have a Power BI dataset that contains a table named Temperature Readings. Temperature Readings contains the columns shown in the following table.

Name	Data type	Value example
DateTime	DateTime	4-Aug-2020 13:30:01
Longitude	Decimal	10.049567988755534
Latitude	Decimal	53.462766759577057
TempCelsius	Decimal	12.5

The table has 12 million rows. All the columns are needed for analysis.

You need to optimize the dataset to decrease the model size. The solution must not affect the precision of the data.

What should you do?

- A. Split the DateTime column into separate date and time columns.
- B. Disable the Power Query load.
- C. Round the Longitude column two decimal places.
- D. Change the data type of the TempCelsius column to Integer

Answer: B

Explanation:

Disable Power Query load.

Power Query queries that are intended support data integration with other queries should not be loaded to the model. To avoid loading the query to the model, take care to ensure that you disable query load in these instances.

Reference:

<https://docs.microsoft.com/en-us/power-bi/guidance/import-modeling-data-reduction#disable-power-query-quer>

NEW QUESTION 343

- (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
	<div>Valid 100%</div> <div>Error 0%</div> <div>Empty 0%</div>	<div>Valid 100%</div> <div>Error 0%</div> <div>Empty 0%</div>	<div>Valid 100%</div> <div>Error 0%</div> <div>Empty 0%</div>
1	48196321-38D9-EC11-B83D-0022489A2...	21/05/2022 18:59:25	100001000
2	49196321-38D9-EC11-B83D-0022489A2...	21/05/2022 18:59:26	100001001
3	0300C742-38D9-EC11-B83D-0022489A2...	21/05/2022 19:00:21	100001002
4	0400C742-38D9-EC11-B83D-0022489A2...	21/05/2022 19:00:21	100001003
5	0500C742-38D9-EC11-B83D-0022489A2...	21/05/2022 19:00:21	100001004
6	0600C742-38D9-EC11-B83D-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 remove the IoT GUID column and retain the IoT ID column. Does this meet the goal?

- A. Yes
- B. No

Answer: B

NEW QUESTION 345

- (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

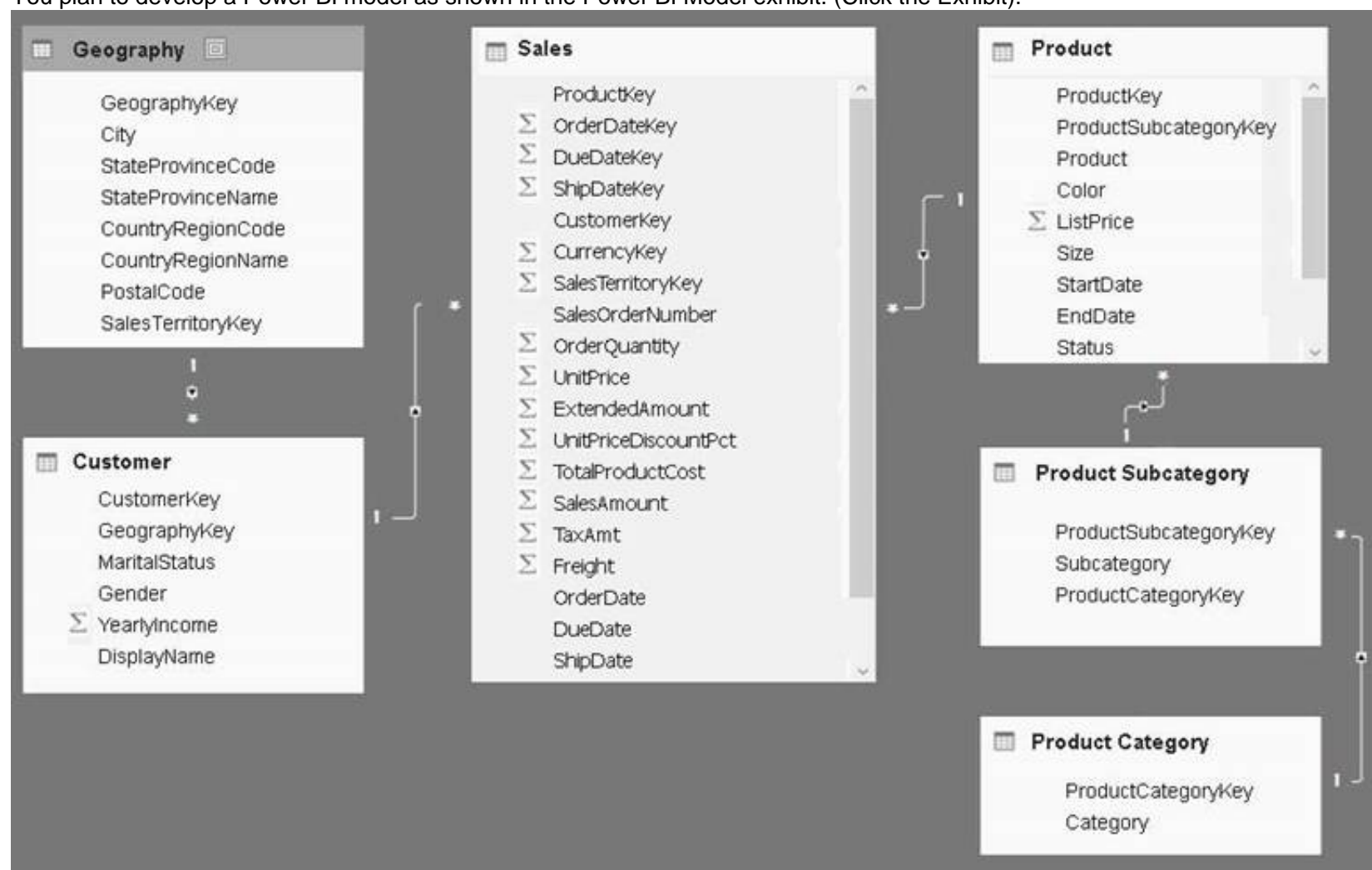
Explanation:
 Statements and questions are tricky and confusing. When the access is granted for the group (all users) for ALL (each) dashboards and ALL (each) reports in the workspace, then the will have read access to the specific (A, one) Dashboard and several reports, because they are part of all 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 346

- (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 add a measure to rank total sales by product. The results must appear as shown in the following table.

Rank	Product	SalesAmount
1	Product3	13,0000
1	Product2	13,0000
2	Product1	12,0000
3	Product5	10,000
3	Product4	10,000

Which DAX formula should you use?

- A. Product Ranking= RANKX (Product, [SalesAmount], , DESC, Skip)
- B. Product Ranking= RANKX (ALL, ('Product'), [SalesAmount], , DESC, Dense)
- C. Product Ranking= RANKX (ALL, ('Product'), [SalesAmount], , DESC, Skip)

D. Product Ranking= RANKX (ALL ('Product'), [SalesAmount], , Asc, Dense

Answer: B

Explanation:

References: <https://msdn.microsoft.com/en-us/library/gg492185.aspx>

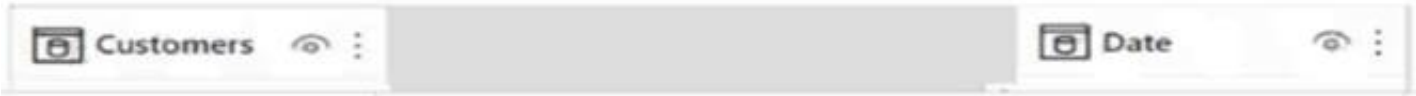
NEW QUESTION 348

- (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.



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 351

- (Exam Topic 4)

You have a report that includes a card visualization.

You need to apply the following conditional formatting to the card while minimizing design effort. For values that are greater than or equal to 100, the font of the data label must be dark red.

For values that are less than 100, the font of the data label must be dark gray. Which type of format should you use?

- A. Color scale
- B. Rules
- C. Field value

Answer: B

NEW QUESTION 354

- (Exam Topic 4)

You have a table that contains a column named Phone. The following is a sample of the data in the Phone column.

436-555-0160
385-555-0140
452-555-0179
290-555-0196
1 (11) 500 555-0122
128-555-0148
819-555-0186
996-555-0192
138-555-0156
556-555-0192

You need to add a new column that contains the data in the format of nnn-nnn-nnnn.
How should you complete the Query Editor formula? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

= Table.AddColumn(#"Previous Step", "Custom", each Text.

Insert

Remove

Replace

ReplaceRange

(Text.

At

End

Middle

Range

([Phone], 12)," ", "-"))

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
Text Description automatically generated
References:
<https://docs.microsoft.com/en-us/powerquery-m/text-replace> <https://docs.microsoft.com/en-us/powerquery-m/text-end>

NEW QUESTION 356

- (Exam Topic 4)
You have a Microsoft Power BI workspace.
You need to grant the user capabilities shown in the following table.

User name	Task
User1	Create and publish apps.
User2	Publish reports to the workspace and delete dashboards

The solution must use the principle of least privilege.
Which user role should you assign to each user? To answer, drag the appropriate roles to the correct users. Each role 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.

Roles

Admin

Contributor

Member

Viewer

Answer Area

User1:

User2:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
User 1 = Member User 2 = Contributor
<https://docs.microsoft.com/en-us/power-bi/collaborate-share/service-new-workspaces>

NEW QUESTION 359

- (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
 - Σ MonthNumberOfYear
 - Σ Quarter
 - Σ Sales_SRC
 -  Time Intelligence
 -  Total Cost
 -  Total Order Qty
 -  Total Sales
 -  Total Sales rolling average
 -  Unit Price
 - Σ 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:	<div>Month</div> <div>Total Cost</div> <div>Total Order Qty</div> <div>Total Sales</div> <div>Year</div>
Date:	<div>Date</div> <div>Month</div> <div>Total Sales</div> <div>Year</div>
Period:	<div>Days</div> <div>Months</div> <div>Quarters</div> <div>Years</div>

- 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 364

- (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:

Trend axis:

Target goals:

NEW QUESTION 369
.....

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