



Microsoft

Exam Questions PL-300

Microsoft Power BI Data Analyst

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NEW QUESTION 1

- (Exam Topic 1)

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

- A. Create a security role that has a table filter on the Sales_Manager table where username = UserName()
- B. Create a security role that has a table filter on the Region_Manager table 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 2

- (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 3

- (Exam Topic 2)

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

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

Answer: B

NEW QUESTION 4

- (Exam Topic 2)

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

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

NOTE: Each correct selection is worth one point.

Values

AND

IF

ISFILTERED

KEEPFILTERS

SUM

SUMX

Answer Area

Total Projected Revenue =

Value (

NOT (Value ('Date'[Date])),

Value (Projection[Revenue Projection])

)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

Box 2: ISFILTERED

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

Box 3: SUM

Reference:

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

NEW QUESTION 5

- (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 6

- (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 7

- (Exam Topic 2)

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

Answer Area

Type of calculation:	<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 8

- (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 9

- (Exam Topic 3)
You need to design the data model and the relationships for the Customer Details worksheet and the Orders table by using Power BI. The solution must meet the report requirements.
For each of the following statement, select Yes if the statement is true, Otherwise, select No. NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
A relationship must be created between the CustomerID column in the Customer Details worksheet and the CustomerID column in the Orders table.	<input type="radio"/>	<input type="radio"/>
The Data Type of the columns in the relationship between the Customer Details worksheet and the Orders table must be set to Text .	<input type="radio"/>	<input type="radio"/>
The Region field used to filter the Top Customers report must come from the Orders table.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
A relationship must be created between the CustomerID column in the Customer Details worksheet and the CustomerID column in the Orders table.	<input checked="" type="radio"/>	<input type="radio"/>
The Data Type of the columns in the relationship between the Customer Details worksheet and the Orders table must be set to Text .	<input type="radio"/>	<input checked="" type="radio"/>
The Region field used to filter the Top Customers report must come from the Orders table.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 10

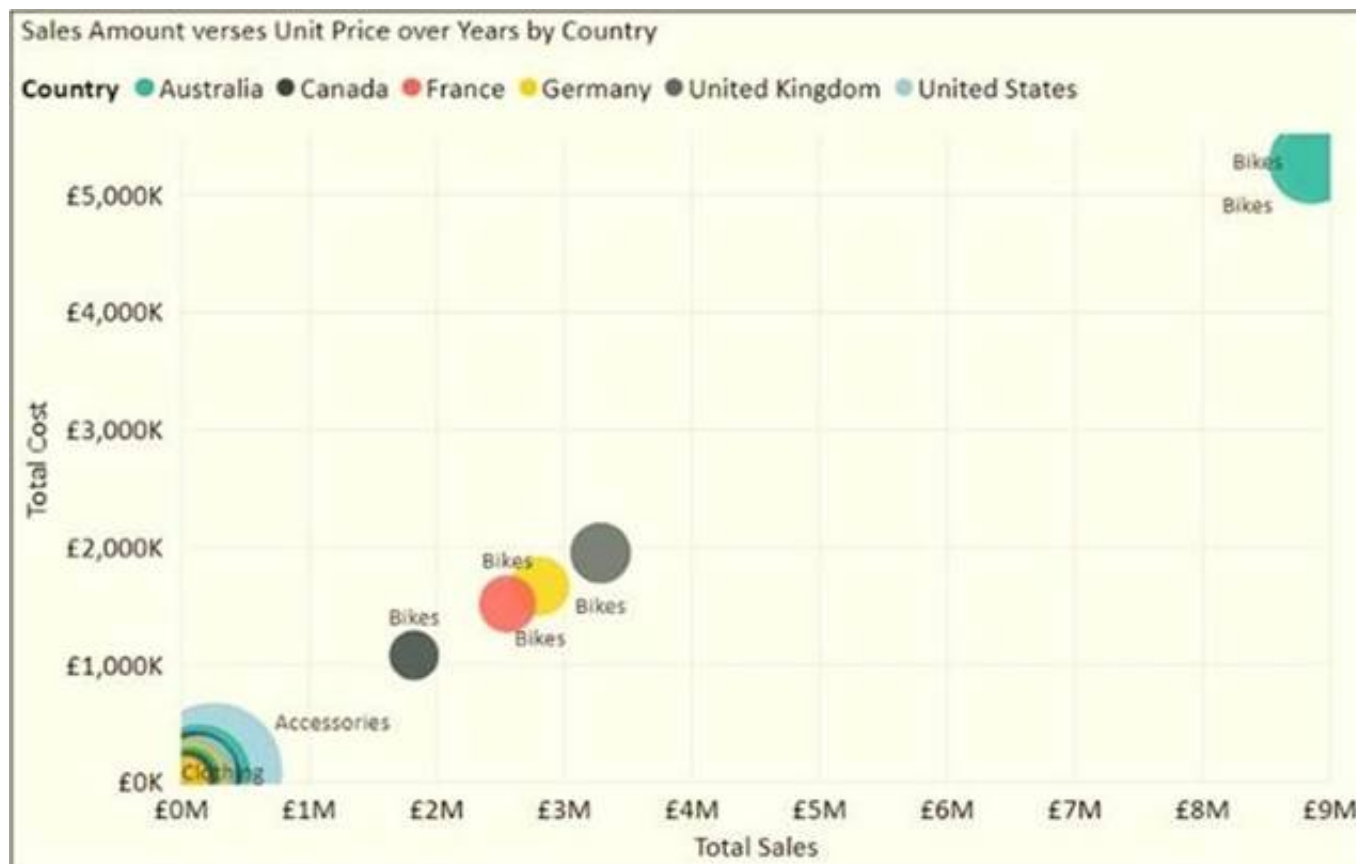
- (Exam Topic 3)
You need to create the dataset. Which dataset mode should you use?

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

Answer: A

NEW QUESTION 10

- (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 12

- (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.

Sales PYTD =

VAR startyear =

STARTOFYEAR (PREVIOUSYEAR ('Date' [Date]))

VAR enddate =

LASTDATE (Sales[Date]) - 365

RETURN

(Sales[Sales]),

CALCULATE (DATESBETWEEN (SAMEPERIODLASTYEAR (SLIM (

('Calendar' [Date], startyear, enddate)

CALCULATE DATESBETWEEN SAMEPERIODLASTYEAR SLIM

)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Reference:

<https://www.kasperonbi.com/get-the-ytd-of-the-same-period-last-year/>

NEW QUESTION 16

- (Exam Topic 4)

You have a Power BI dashboard that displays different visualizations of company sales. You enable Q&A on the dashboard.

You need to provide users with sample questions that they can ask when using Q&A. Which settings should you modify from the Power BI Settings?

- A. Subscriptions
- B. Dashboards
- C. Datasets
- D. Workbooks

Answer: C

Explanation:

References: <https://docs.microsoft.com/en-us/power-bi/service-q-and-a-create-featured-questions>

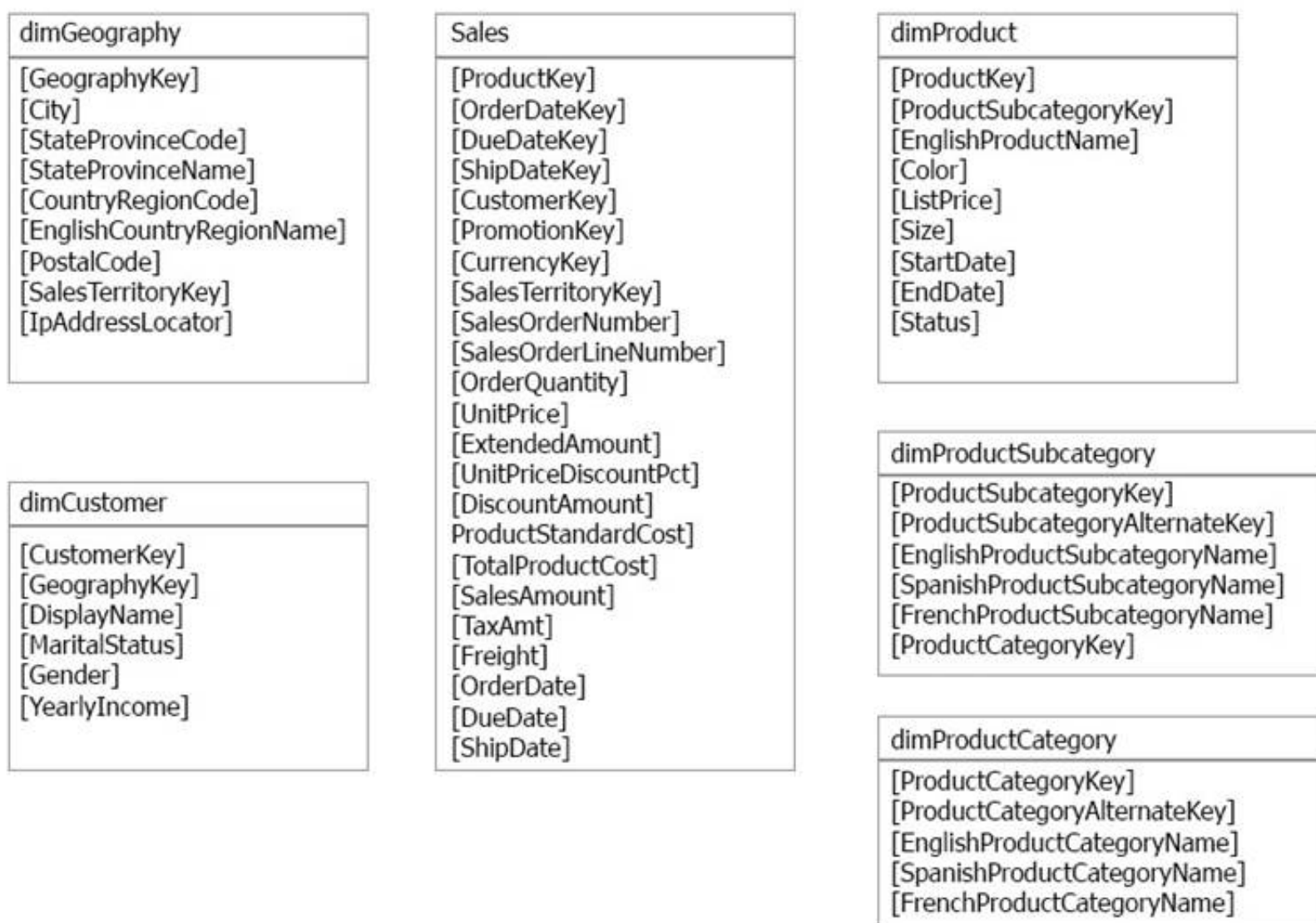
NEW QUESTION 17

- (Exam Topic 4)

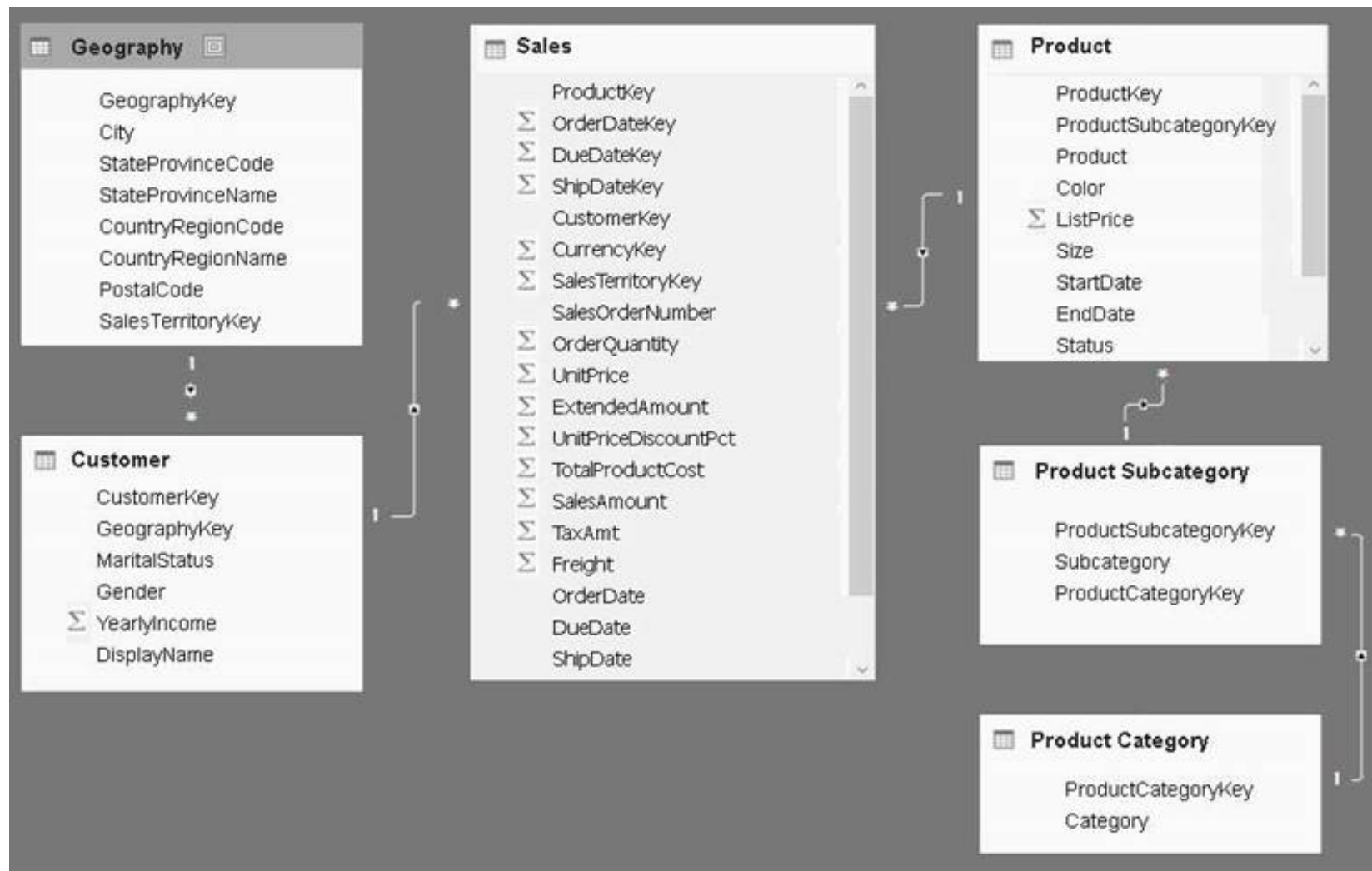
Note: This question is a part of a series of questions that present the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is exactly the same in each question in this series.

Start of repeated scenario

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



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



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

You need to add a 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 21

- (Exam Topic 4)

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

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

Warehouse managers report that it is difficult to use the report because the report uses only the product name in tables and visuals. The product name is contained within the ProductDescription column and is always the fourth value.

You need to modify the report to support the warehouse managers requirement to explore inventory levels at different levels of the product hierarchy. The solution must minimize the model size.

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

Actions	Answer Area
Create a product hierarchy of Manufacturer, ProductSpecifications, ProductName, ProductSubcategory, and ProductCategory.	
Replace the use of ProductDescription in the report with the product hierarchy.	
Transform the ProductDescription column to contain only the text between the first and fourth > symbol.	
Add the product hierarchy as an extra field in visuals where ProductDescription is used.	
Add a column named ProductName that contains only the text between the third and fourth > symbol in the ProductDescription column.	
Add a column named ProductName that contains all the text after the third > symbol in the ProductDescription column.	
Create a product hierarchy of ProductCategory, ProductSubcategory, Manufacturer, ProductName, and ProductSpecifications.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

3

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

3

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

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

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

1

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

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

2

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

NEW QUESTION 25

- (Exam Topic 4)

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

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

There is a relationship between the tables.
You plan to publish a report to the Power BI service that displays Order_amount by Order_date by Full_name. You need to ensure that only the columns required for the report appear in Report View. The solution must minimize the size of the dataset that is published.
How should you configure the columns in Power BI Desktop? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Customer_ID:

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

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

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

From the model, select the column and click Hide.

Customer_Photo:

From Query Editor, select the column and click Remove.

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

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

From the model, select the column and click Hide.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
Table Description automatically generated

NEW QUESTION 30

- (Exam Topic 4)

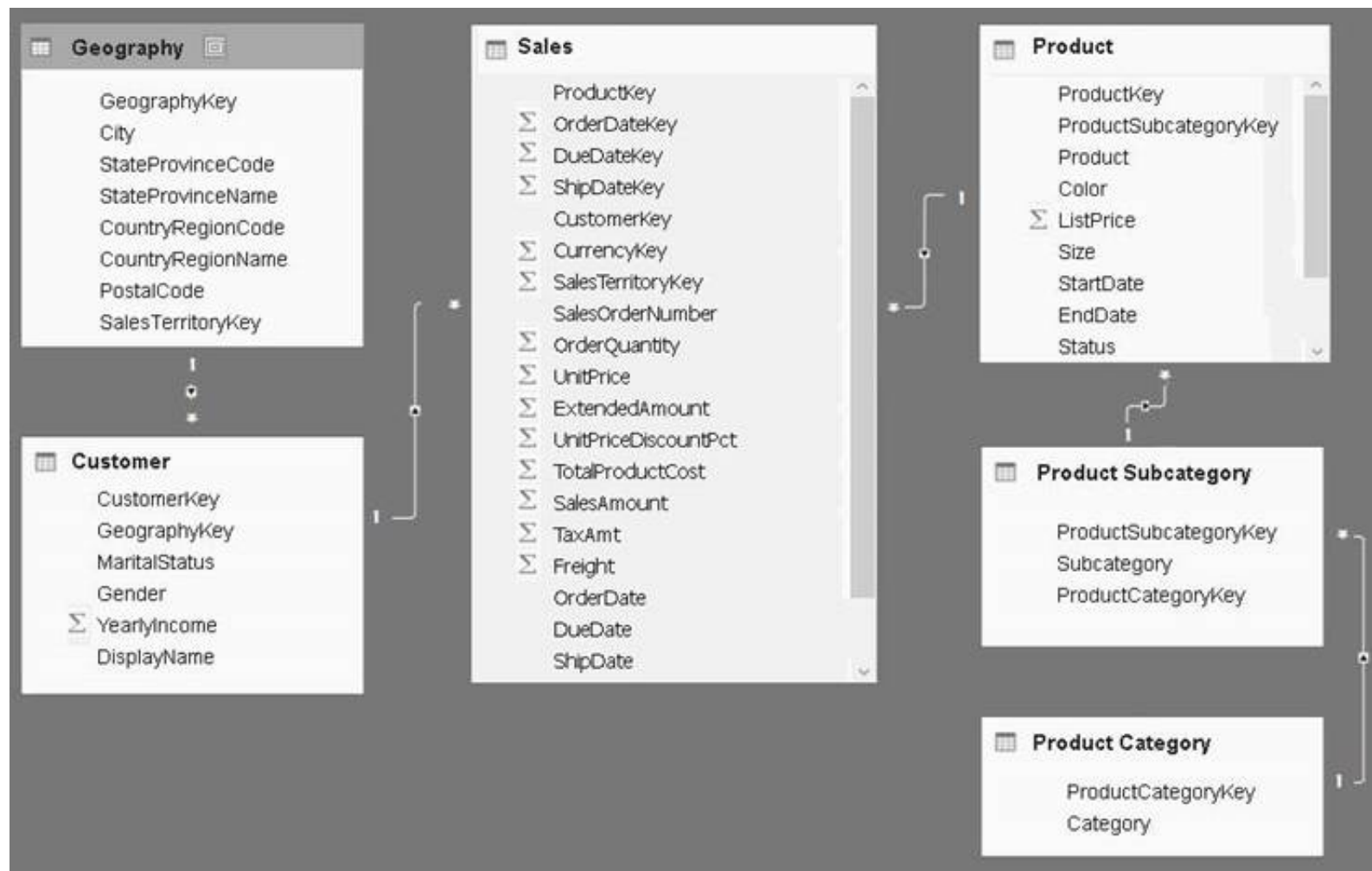
Note: This question is a part of a series of questions that present the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is exactly the same in each question in this series.

Start of repeated scenario

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

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

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



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

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

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

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

- A. Table.RemoveMatchingRows
- B. Table.Distinct
- C. Table.InDistinct
- D. Table.ReplaceMatchingRows

Answer: B

Explanation:

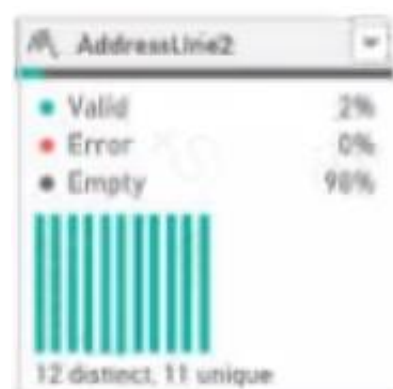
References: <https://msdn.microsoft.com/en-us/library/mt260775.aspx>

NEW QUESTION 33

- (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.

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

- Answer Area**

There are **[answer choice]** different values in the column including nulls. 12

There are [answer choice] non-null values that occur only once in the column. 11

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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 42

- (Exam Topic 4)

You have a Power BI dashboard that monitors the quality of manufacturing processes. The dashboard contains the following elements:

- A line chart that shows the number of defective products manufactured by day.
- A KPI visual that shows the current daily percentage of defective products manufactured. You need to be notified when the daily percentage of defective products manufactured exceeds 3%. What should you create?

- A. a Q&A visual
- B. a subscription
- C. a smart narrative visual
- D. an alert

Answer: D

NEW QUESTION 47

- (Exam Topic 4)

You have a Microsoft Power BI dashboard.

You need to ensure that consumers of the dashboard can give you feedback that will be visible to the other consumers of the dashboard.

What should you use?

- A. Feedback
- B. Subscribe
- C. Comments
- D. Mark as favorite

Answer: C

Explanation:

<https://docs.microsoft.com/en-us/power-bi/consumer/end-user-comment>

NEW QUESTION 51

- (Exam Topic 4)

You have a report that contains a bar chart and a column chart. The bar chart shows customer count by customer segment. The column chart shows sales by month.

You need to ensure that when a segment is selected in the bar chart, you see which portion of the total sales for the month belongs to the customer segment.

How should the visual interactions be set on the column chart when the bar chart is selected?

- A. no impact
- B. highlight
- C. filter

Answer: B

Explanation:

HIGHLIGHT as the question required us to "you see which portion of the total sales for the month belongs to the customer segment" -- in order to see WHICH portion, you need to still see the whole visual, highlight is most appropriate. If the requirement stated to ONLY SEE THE PORTION IT RELATES TO then filter would be appropriate.

NEW QUESTION 54

- (Exam Topic 4)

In Power BI Desktop, you are building a sales report that contains two tables. Both tables have row-level security (RLS) configured.

You need to create a relationship between the tables. The solution must ensure that bidirectional cross-filtering honors the RLS settings.

What should you do?

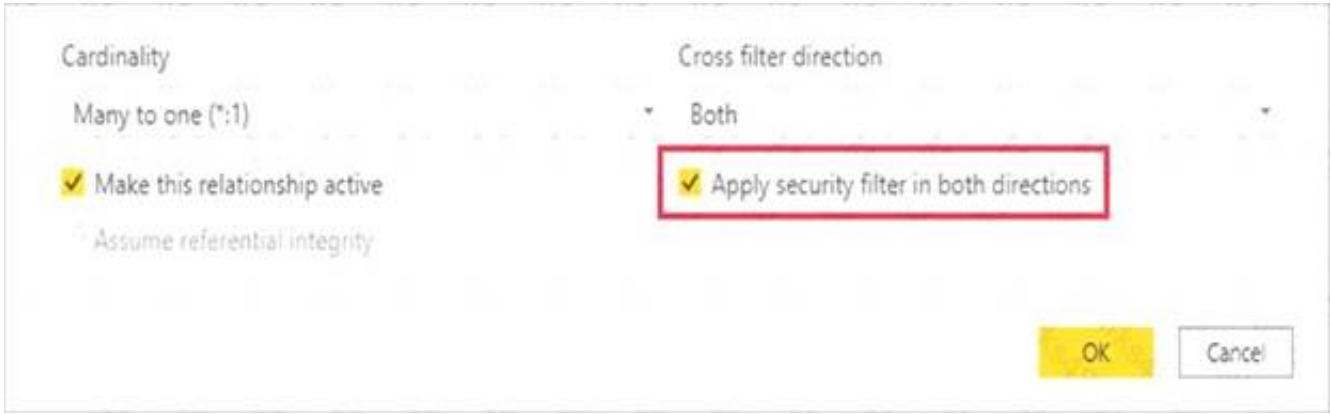
- A. Create an active relationship between the tables and select Assume referential integrity.
- B. Create an inactive relationship between the tables and select Assume referential integrity.
- C. Create an inactive relationship between the tables and select Apply security filter in both directions.
- D. Create an active relationship between the tables and select Apply security filter in both directions.

Answer: D

Explanation:

By default, row-level security filtering uses single-directional filters, whether the relationships are set to single direction or bi-directional. You can manually enable bi-directional cross-filtering with row-level security by selecting the relationship and checking the Apply security filter in both directions checkbox. Select this option when you've also implemented dynamic row-level security at the server level, where row-level security is based on username or login ID.

Graphical user interface, application, Word Description automatically generated



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

NEW QUESTION 58

- (Exam Topic 4)
 Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
 After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
 You are modeling data by using Microsoft Power BI. Part of the data model is a large Microsoft SQL Server table named Order that has more than 100 million records.
 During the development process, you need to import a sample of the data from the Order table. Solution: You add a WHERE clause to the SQL statement.
 Does this meet the goal?

- A. Yes
- B. No

Answer: A

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

NEW QUESTION 61

- (Exam Topic 4)
 You need to create the On-Time Shipping report.
 The report must include a visualization that shows the percentage of late orders. Which type of visualization should you create?

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

Answer: A

NEW QUESTION 65

- (Exam Topic 4)
 You have multiple dashboards.
 You need to ensure that when users browse the available dashboards from powerbi.com. they can see which dashboards contain Personally Identifiable Information (PII). The solution must minimize configuration effort and impact on the dashboard design.
 What should you use?

- A. Active Directory groups
- B. tiles
- C. data classifications
- D. comments

Answer: A

NEW QUESTION 69

- (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]),		▼
CALCULATE				
CONCATENATEX				
SUM				
SUMX				
TOPN				

	▼	(50, Transactions, Transactions		▼
CALCULATE			TransactionID]	
CONCATENATEX			[Amount],	
SUM			[ItemsOrdered],	
SUMX			[TransactionDate],	
TOPN				

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 73

- (Exam Topic 4)

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

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

Answer: D

NEW QUESTION 77

- (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/userrelationship-function-dax>

NEW QUESTION 80

- (Exam Topic 4)

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

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

Answer Area

Create a relationship between the Sales Employees table and the

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Create a relationship between the Sales Employees table and the

NEW QUESTION 81

- (Exam Topic 4)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

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

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

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

- A. Yes
- B. No

Answer: B

Explanation:

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

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

Reference:

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

NEW QUESTION 86

- (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 89

- (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 92

- (Exam Topic 4)

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

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

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

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

Answer: C

Explanation:

References:

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

NEW QUESTION 93

- (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 95

- (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: From Power Query Editor, you import the table and then add a filter step to the query.

Does this meet the goal?

- A. Yes
- B. No

Answer: A

NEW QUESTION 98

- (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 101

- (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 103

- (Exam Topic 4)

You have five sales regions. Each region is assigned a single salesperson.

You have an imported dataset that has a dynamic row-level security (RLS) role named Sales. The Sales role filters sales transaction data by salesperson.

Salespeople must see only the data from their region.

You publish the dataset to powerbi.com, set RLS role membership, and distribute the dataset and related reports to the salespeople.

A salesperson reports that she believes she should see more data. You need to verify what data the salesperson currently sees. What should you do?

- A. Use the Test as role option to view data as the salesperson's user account.
- B. Use the Test as role option to view data as the Sales role.
- C. Instruct the salesperson to open the report in Microsoft Power BI Desktop.
- D. Filter the data in the reports to match the intended logic in the filter on the sales transaction table.

Answer: B

Explanation:

Validate the roles within Power BI Desktop

- After you've created your roles, test the results of the roles within Power BI Desktop. From the Modeling tab, select View as.

A picture containing application Description automatically generatedThe View as roles window appears, where you see the roles you've created. Graphical user interface, text, application Description automatically generated

- Select a role you created, and then select OK to apply that role. The report renders the data relevant for that role.
- You can also select Other user and supply a given user. Graphical user interface, application Description automatically generated
- Select OK. The report renders based on what that user can see.

Reference:

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

NEW QUESTION 107

- (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?

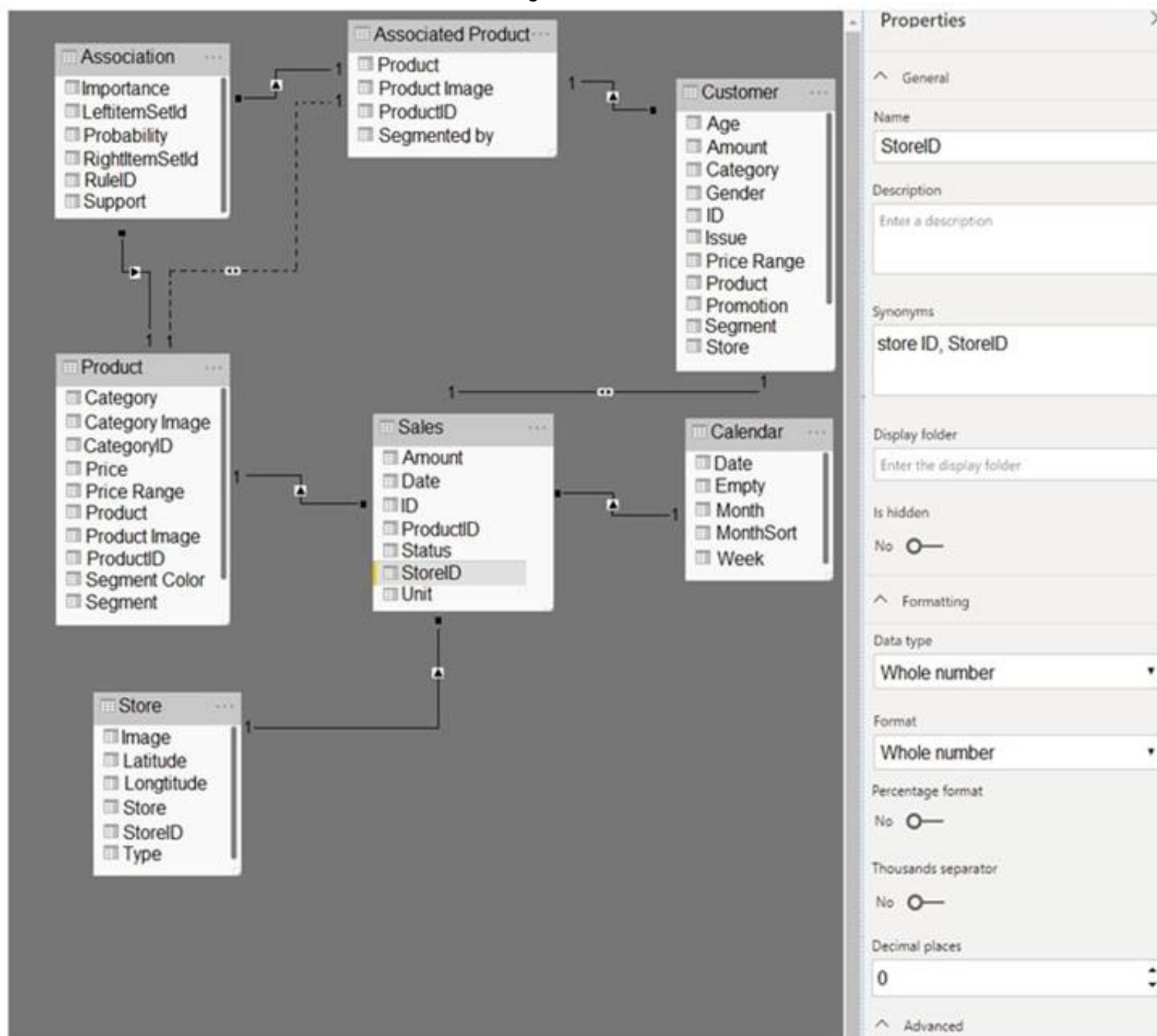
Reference:

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

NEW QUESTION 110

- (Exam Topic 4)

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



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

Answer Area

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

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

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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

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

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

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

NEW QUESTION 113

- (Exam Topic 4)

You have sales data in a star schema that contains four tables named Sales, Customer, Date, and Product. The Sales table contains purchase and ship dates. Most often, you will use the purchase date to analyze the data, but you will analyze the data by both dates independently and together. You need to design an imported dataset to support the analysis. The solution must minimize the model size and the number of queries against the data source. Which data modeling design should you use?

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

Answer: D

Explanation:

Only one relationship can be active.

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

Reference:

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

NEW QUESTION 115

- (Exam Topic 4)

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

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

Answer: D

Explanation:

<https://docs.microsoft.com/en-us/stream/portal-embed-video>

<https://docs.microsoft.com/en-us/power-bi/create-reports/service-dashboard-add-widget#add-web-content>

NEW QUESTION 117

- (Exam Topic 4)

You have a collection of reports for the HR department of your company.

You need to create a visualization for the HR department that shows a historic employee counts and predicts trends during the next six months.

Which type of visualization should you use?

- A. scatter chart
- B. ribbon chart
- C. line chart
- D. key influences

Answer: C

Explanation:

The best data for forecasting is time series data or uniformly increasing whole numbers. The line chart has to have only one line.

Try forecasting: Try the new forecasting capabilities of Power View today on your own data or with the sample report available as part of the Power BI report samples. To view your own data, upload a workbook with a Power View time series line chart to Power BI for Office 365.

Reference:

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

NEW QUESTION 121

- (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 = "wurld"]
    }),
    "ur",
    "or",
    Replacer.ReplaceText,
    {"b"}
)
```

a	b
1	hello
3	world

Reference:

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

NEW QUESTION 123

- (Exam Topic 4)

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

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

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

Answer: D

Explanation:

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

➤ Data size limitations – data used by the R visual for plotting is limited to 150,000 rows. If more than 150,000 rows are selected, only the top 150,000 rows are used and a message is displayed on the image. Additionally, the input data has a limit of 250 MB.

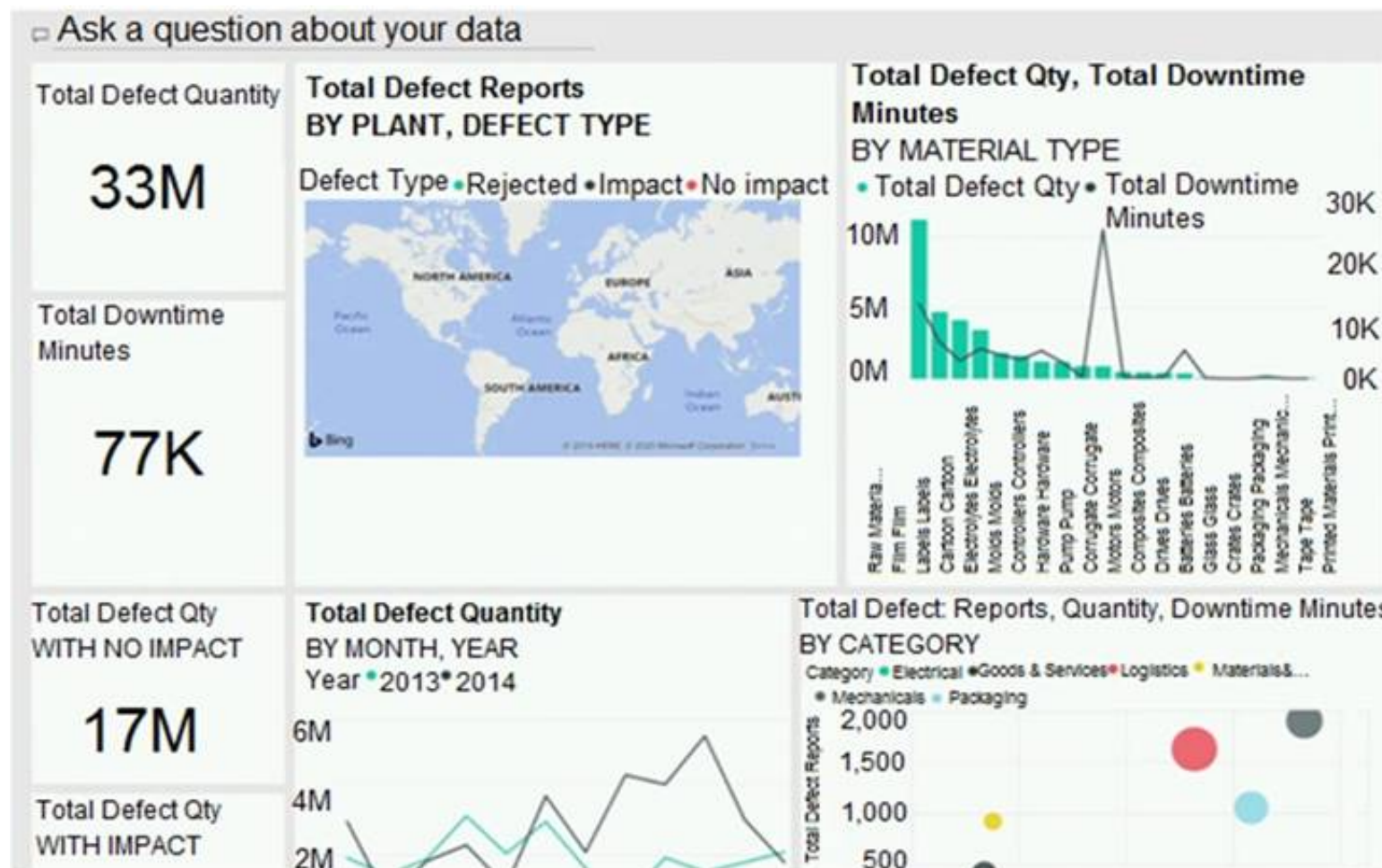
Reference:

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

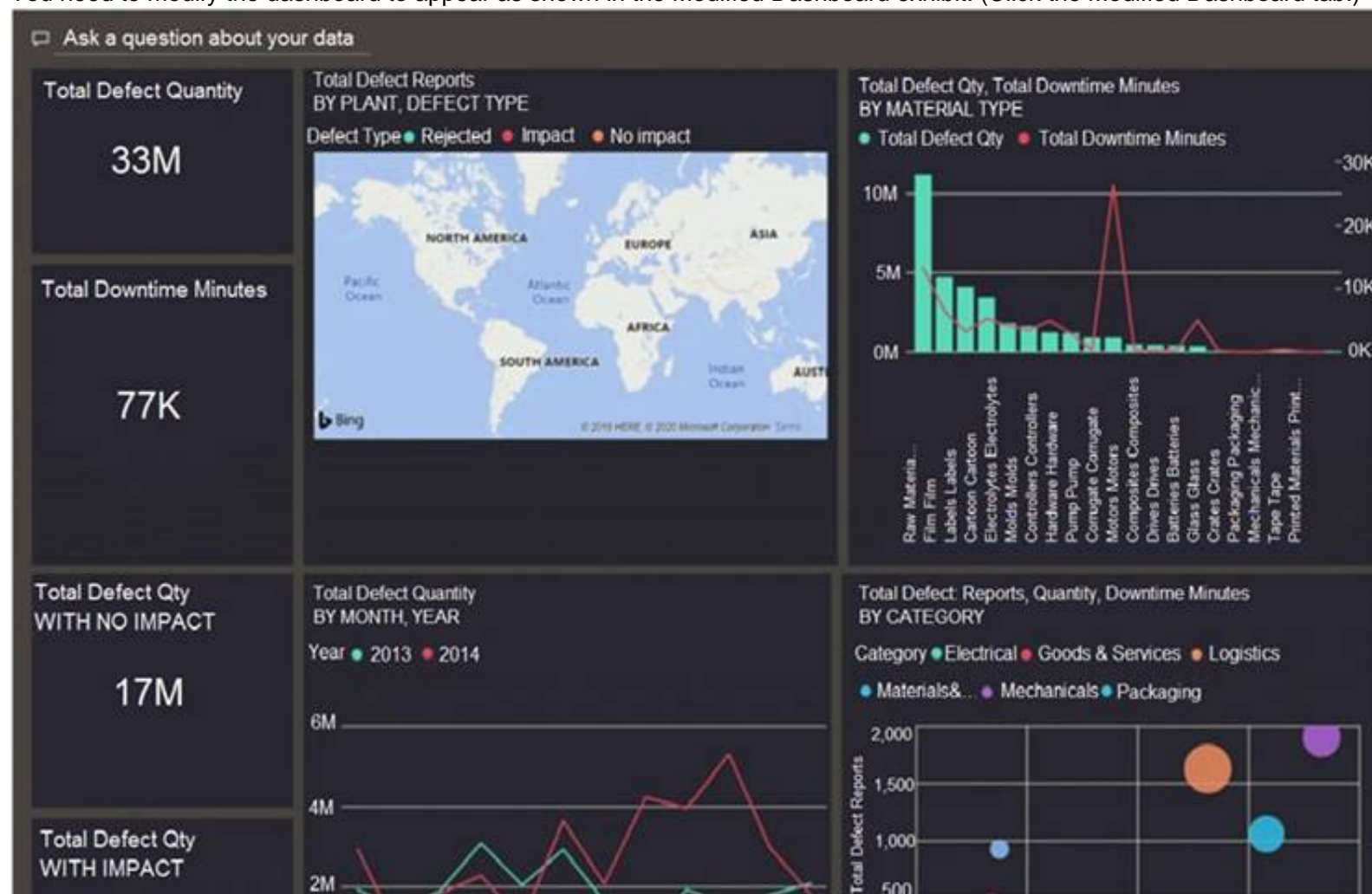
NEW QUESTION 124

- (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 126

- (Exam Topic 4)

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

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

Answer: B

Explanation:

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

- Decide how often you want to receive the emails: daily, weekly, hourly, monthly, or once a day after the initial data refresh.
- Choose the time you want to receive the email, if you choose daily, weekly, hourly, or monthly. Note: Email subscriptions don't support most custom visuals. The one exception is those custom visuals that have been certified.

Email subscriptions don't support R-powered custom visuals at this time. Reference:

<https://docs.microsoft.com/en-us/power-bi/collaborate-share/service-report-subscribe> <https://docs.microsoft.com/en-us/power-bi/create-reports/service-set-data-alerts>

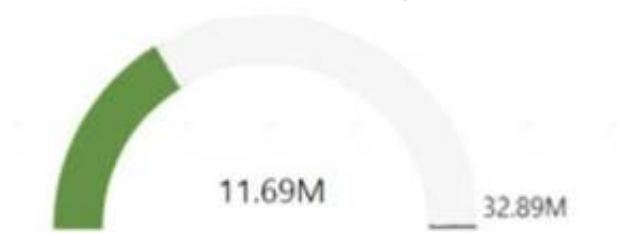
NEW QUESTION 131

- (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

Total Sales Difference

Total Sales Last Year

Total Sales This Year

Answer Area

Value:

Maximum value:

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 135

- (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 140

- (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:

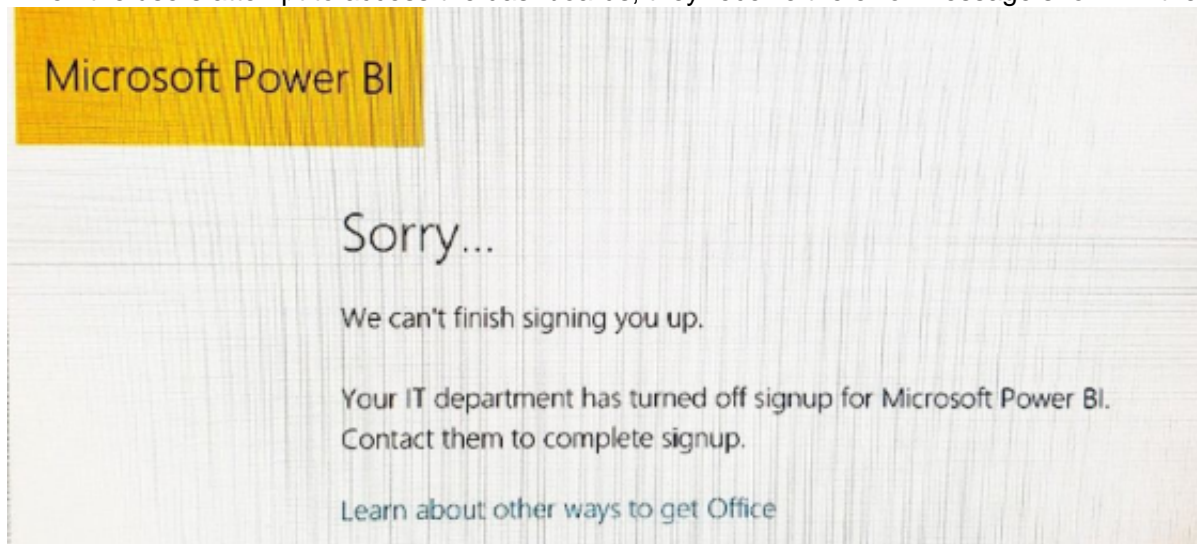
<https://docs.microsoft.com/en-us/power-bi/create-reports/desktop-conditional-table-formatting>

NEW QUESTION 143

- (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 146

- (Exam Topic 4)

You are reviewing a query that produces 10,000 rows in the 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. Column profile
- B. Column distribution
- C. Show whitespace
- D. Column quality
- E. Monospace

Answer: AB

Explanation:

B: Column distribution: This feature provides a set of visuals underneath the names of the columns that showcase the frequency and distribution of the values in each of the columns. The data in these visualizations is sorted in descending order from the value with the highest frequency.

By hovering over the distribution data in any of the columns, you get information about the overall data in the column (with distinct count and unique values).

A: Column profile: This feature provides a more in-depth look at the data in a column [compared to column distribution]. Apart from the column distribution chart, it contains a column statistics chart.

Reference:

<https://docs.microsoft.com/en-us/power-query/data-profiling-tools>

NEW QUESTION 149

- (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/>

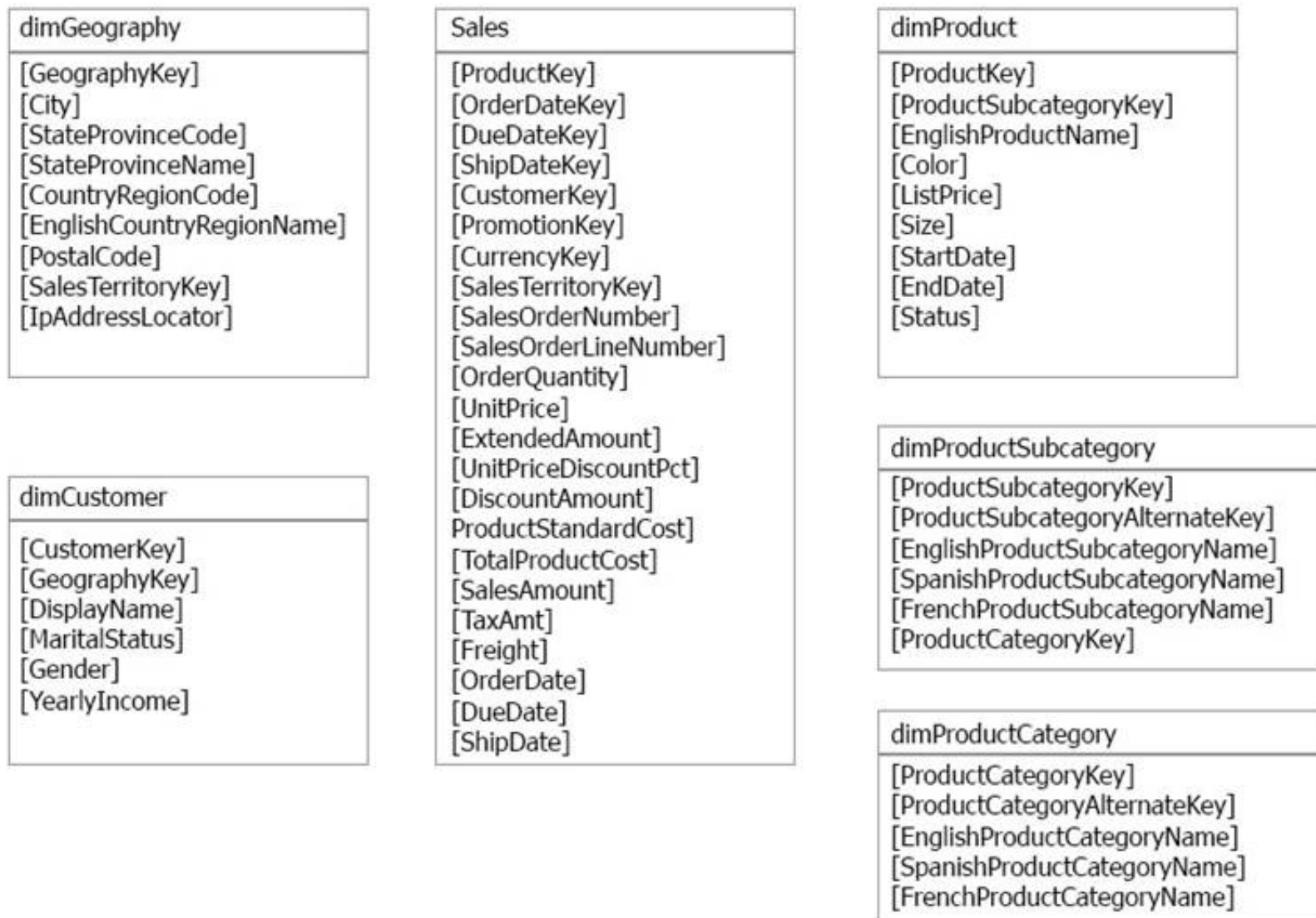
NEW QUESTION 151

- (Exam Topic 4)

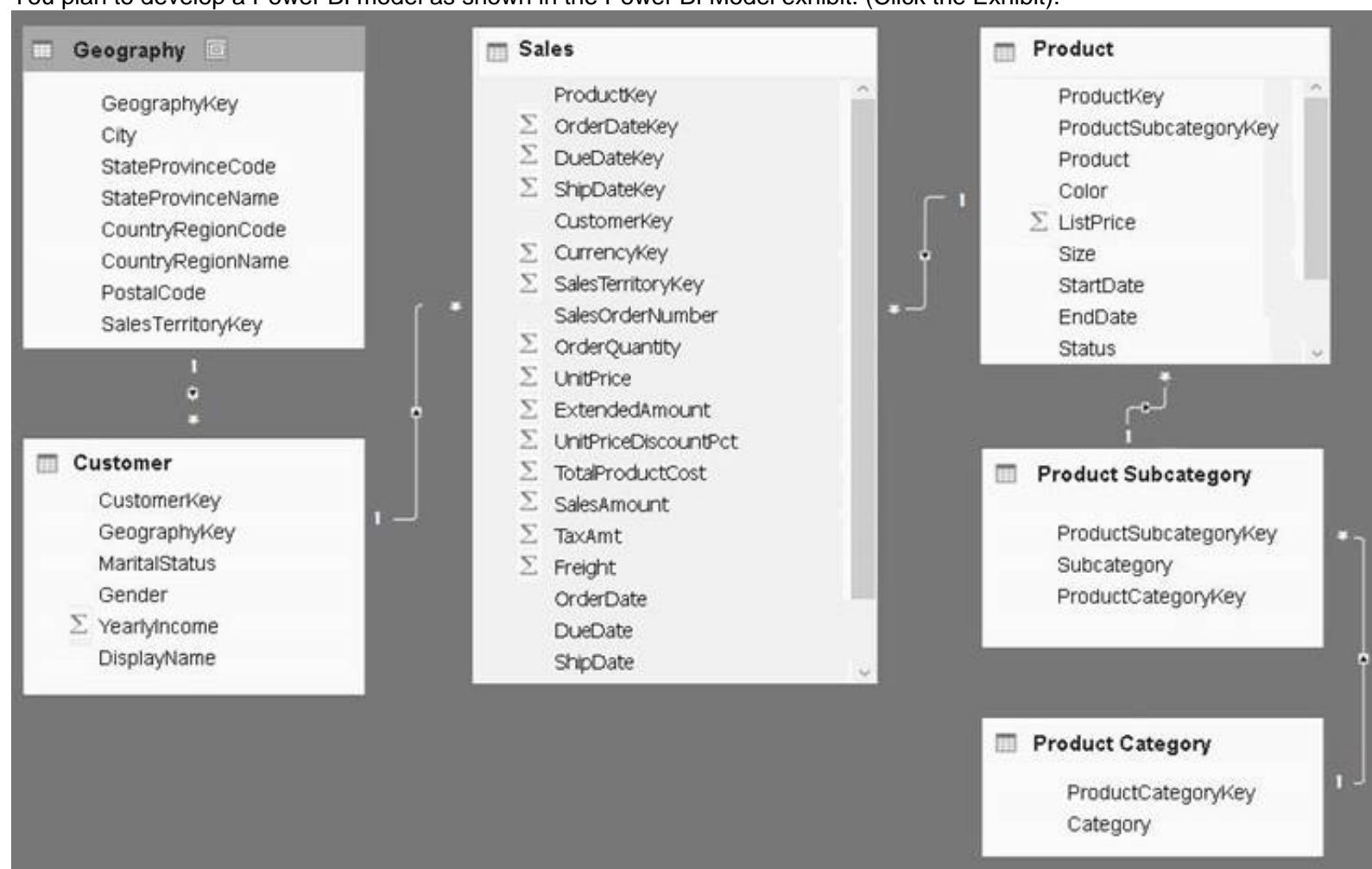
Note: This question is a part of a series of questions that present the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is exactly the same in each question in this series.

Start of repeated scenario

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



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



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

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

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

- A. Column From Examples
- B. Custom Column
- C. Invoke Custom Function
- D. Conditional Column

Answer: D

Explanation:

References:

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

NEW QUESTION 154

- (Exam Topic 4)

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

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

You need to prepare the data to support the following:

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

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

Actions

Rename the Attribute column as Year

Rename the Measure column as Year

Use the first row as headers

Use headers as the first row

Unpivot all the columns other than Measure

Transpose the table

Change the data type of the Year column to Date

Answer Area



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Reference:

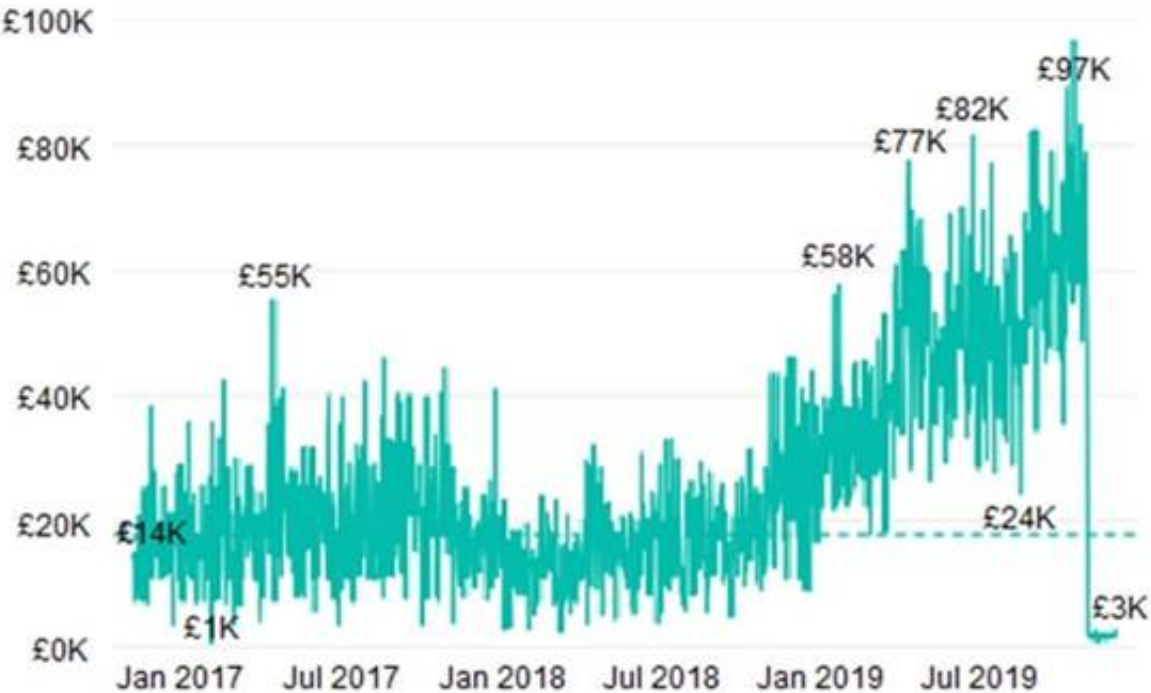
<https://support.microsoft.com/en-us/office/unpivot-columns-power-query-0f7bad4b-9ea1-49c1-9d95-f588221c7>

NEW QUESTION 155

- (Exam Topic 4)

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

Sales including Percentile



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

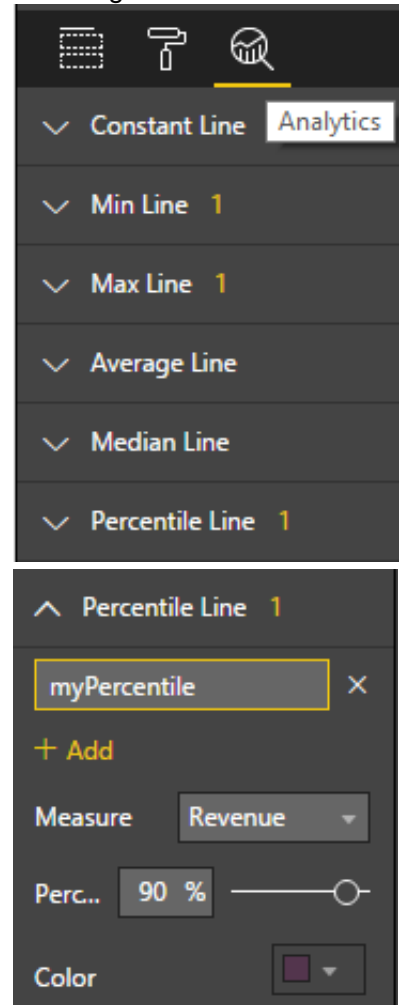
- A. Create a horizontal line that has a fixed value of 24,000.
- B. Add a measure to the visual that uses the following DAX expression. `Measures - PERCENTUEX.EXC (Sales,Sales[Total Sales],@.40)`
- C. Add a new percentile line that uses Total Sales as the measure and 40% as the percentile.
- D. Add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

Answer: C

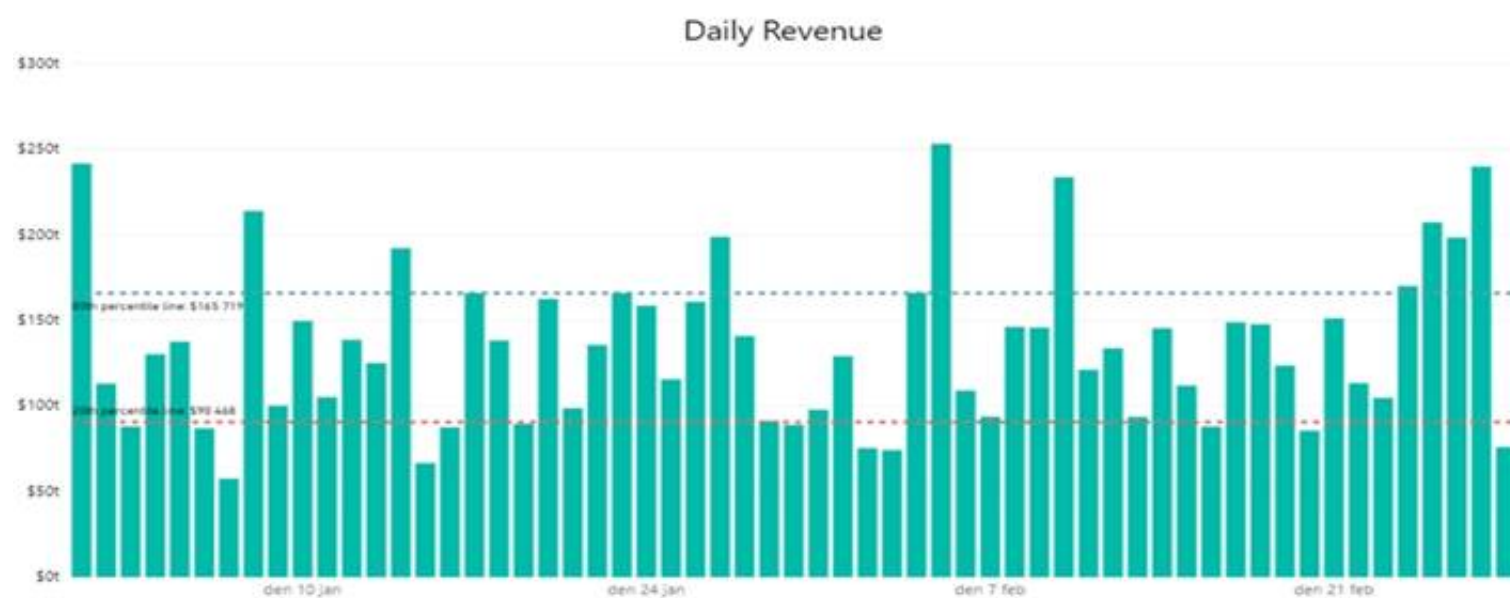
Explanation:

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



Add percentile lines to monitor daily revenue



NEW QUESTION 160

- (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.

The Operations dataset requires a sensitivity label and must be certified.

The Finance dataset requires a sensitivity label and must be certified.

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements

Yes

No

The Sales dataset requires a sensitivity label.

The Operations dataset requires a sensitivity label and must be certified.

The Finance dataset requires a sensitivity label and must be certified.

NEW QUESTION 164

- (Exam Topic 4)

You receive revenue data that must be included in Microsoft Power BI reports.

You perform an initial load of the data from a Microsoft Excel source as shown in the following exhibit.

	Column1	Column2	Column3	Column4	Column5	Column6
	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%
1	Department	Product	2016	2017	2018	2019
2	Bikes	Carbon mountainbike	1002815	1006482	1007814	1007239
3	Bikes	Aluminium road bike	1007024	1009454	1005842	1007105
4	Bikes	Touring bike	1003676	1005171	1001669	1003244
5	Accessories	Bell	76713	10247	60590	25927
6	Accessories	Bottle holder	26690	29613	67955	71466
7	Accessories	Satnav	83189	40113	71684	24697
8	Accessories	Mobilephone holder	68641	80336	58099	45706

You plan to create several visuals from the data, including a visual that shows revenue split by year and product.

You need to transform the data to ensure that you can build the visuals. The solution must ensure that the columns are named appropriately for the data that they contain.

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

Actions

Select Use Headers as First Row.

Select Department and Product and Unpivot Other Columns.

Select Use First Rows as Headers.

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

Select Department and Product and Unpivot Columns.

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

Answer Area

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Text Description automatically generated with medium confidence

Step 1: Select Use Header as First Row.

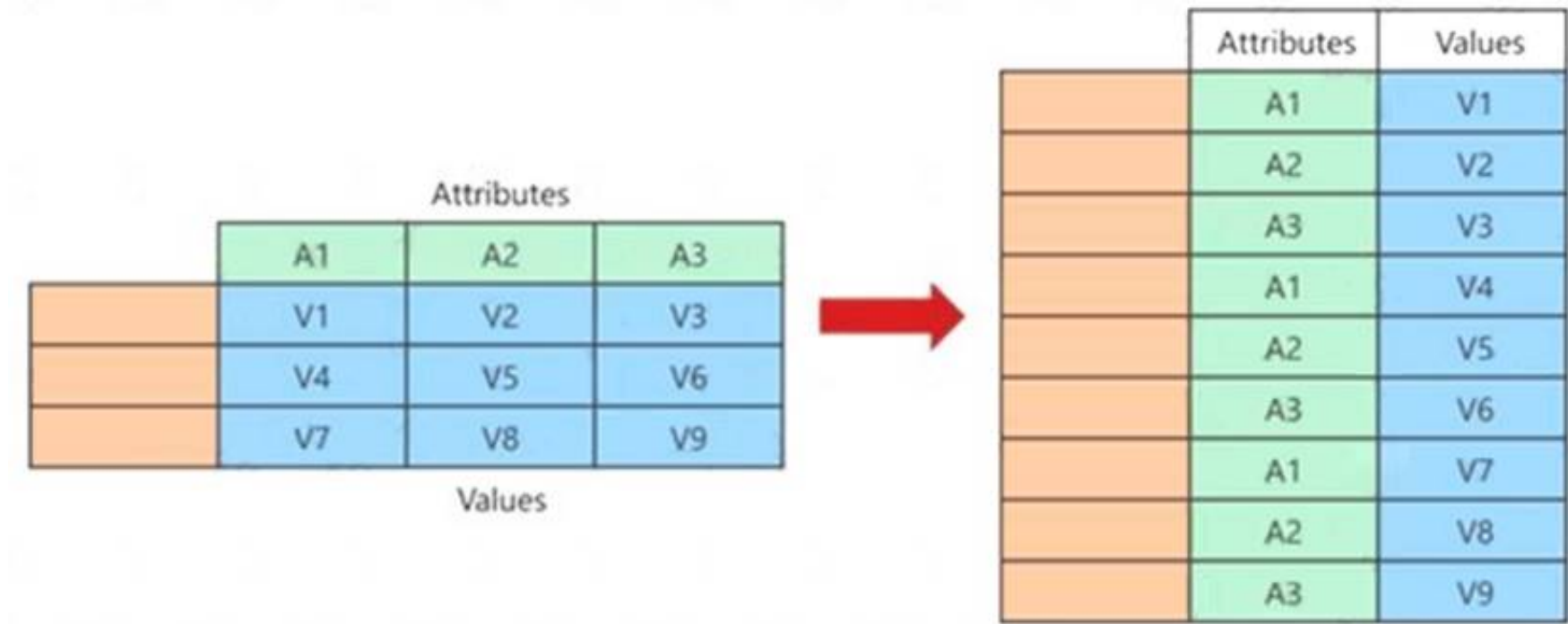
Step 2: Select Department and Product and Unpivot Other Columns

Unpivot Other Columns: This command unpivots unselected columns. Use this command in a query when not all columns are known. New columns added during a refresh operation are also unpivoted.

Step 3: Rename the Attribute column to Year and the Value column to Revenue.

You might want to unpivot data, sometimes called flattening the data, to put it in a matrix format so that all similar values are in one column. This is necessary, for example, to create a chart or a report.

Chart Description automatically generated with medium confidence



When you unpivot, you unpack the attribute-value pairs that represent an intersection point of the new columns and re-orient them into flattened columns: Values (in blue on the left) are unpivoted into a new column (in blue on the right). Attributes (in green on the left) are unpivoted into a new column (in green on the right) and duplicates are correspondingly mapped to the new Values column.

Reference:

<https://support.microsoft.com/en-us/office/unpivot-columns-power-query-0f7bad4b-9ea1-49c1-9d95-f588221c7>

NEW QUESTION 167

- (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 172

- (Exam Topic 4)

You have a Power BI report.

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

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

NOTE: Each correct selection is worth one point.

Answer Area

Top 100 Customers =

100,

ASC

DESC

FILTER

SUMMARIZE

TOPN

(FactTransaction,

FactTransaction[Customer ID],

"Sales",

SUM(FactTransaction[Sales])),

[Sales],

ASC

DESC

FILTER

SUMMARIZE

TOPN

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
Box 1: TOPN
TOPN returns the top N rows of the specified table. Box 2: SUMMARIZE
SUMMARIZE returns a summary table for the requested totals over a set of groups. Box 3: DESC
Sort in descending order.
It is last in the TOPN command. TOPN syntax:
TOPN(<n_value>, <table>, <orderBy_expression>, [<order>[, <orderBy_expression>, [<order>]]...]) Reference:
<https://docs.microsoft.com/en-us/dax/topn-function-dax>
<https://docs.microsoft.com/en-us/dax/summarize-function-dax>

NEW QUESTION 177

- (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 178

- (Exam Topic 4)

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

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

Answer: AD

Explanation:

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

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

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

NEW QUESTION 181

- (Exam Topic 4)

You are creating a column chart visualization.

You configure groups as shown in the Groups exhibit. {Click the Groups tab.}

Groups

NameSepal.Width (bins)FieldSepal.Width

Group typeBinMin value2

Bin TypeNumber of binsMax value4.4

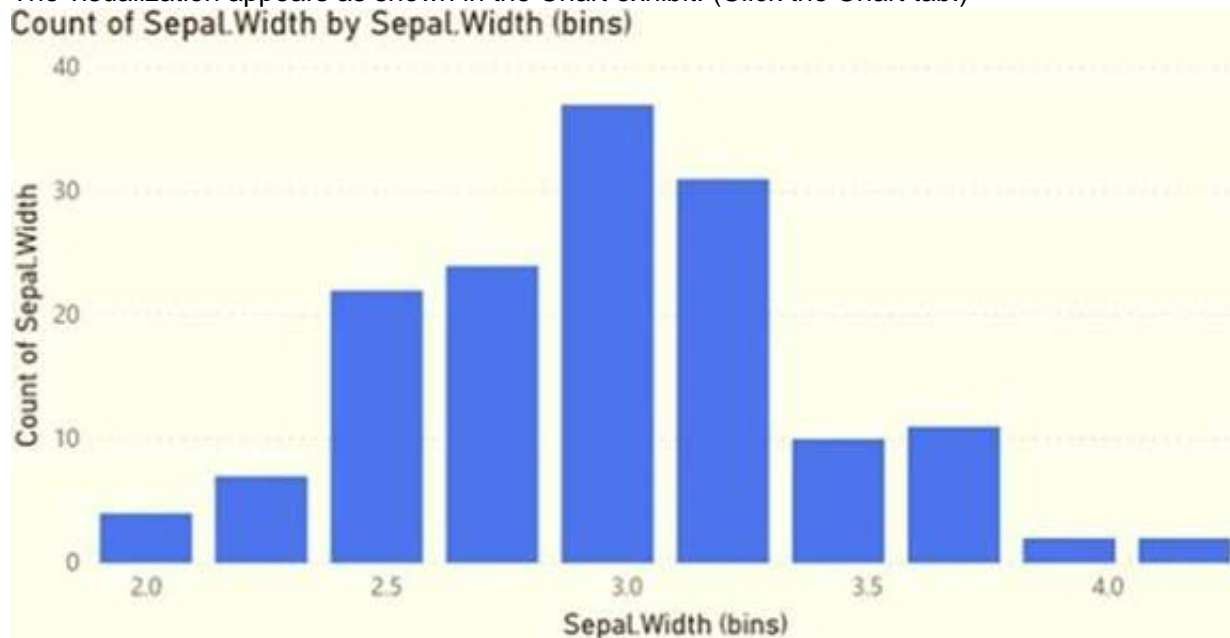
Binning splits numeric or date/time data by an amount you specify. The default bin count is calculated based on your data.

Bin count10Bin size0.240000000000000005

Reset to default

OKCancel

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 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 185

- (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 copiedasset
- 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 186

- (Exam Topic 4)

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

Combine Files

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

Sample File:

First file

File Origin

1252: Western European (Windows)

Delimiter

Comma

Data Type Detection

Based on entire dataset

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

☒ Skip files with errors

OK

Cancel

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

Answer Area

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 188

- (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

Answer Area

Admin	Contributor	User1:	<input type="text"/>
Member	Viewer	User2:	<input type="text"/>

- 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 189

- (Exam Topic 4)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

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

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

Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

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

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

NEW QUESTION 192

- (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 193

- (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.

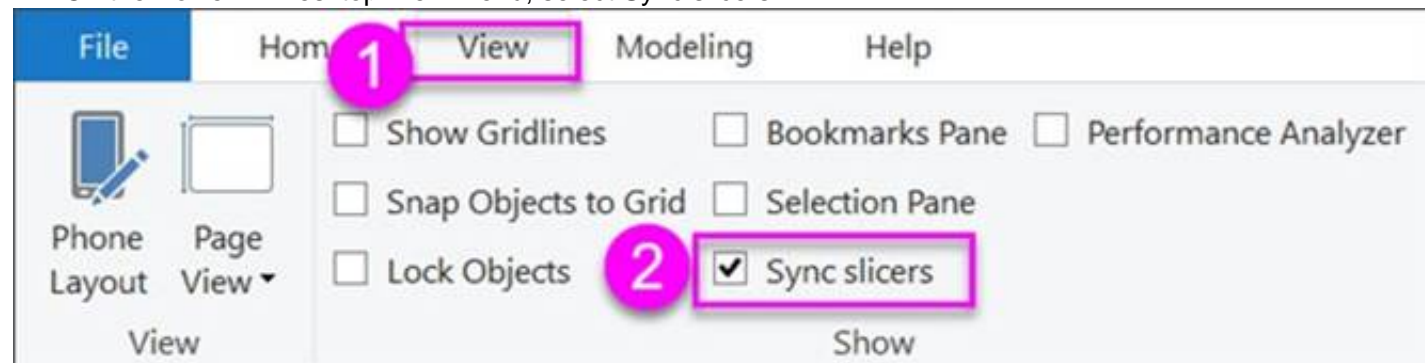
Answer: AE

Explanation:

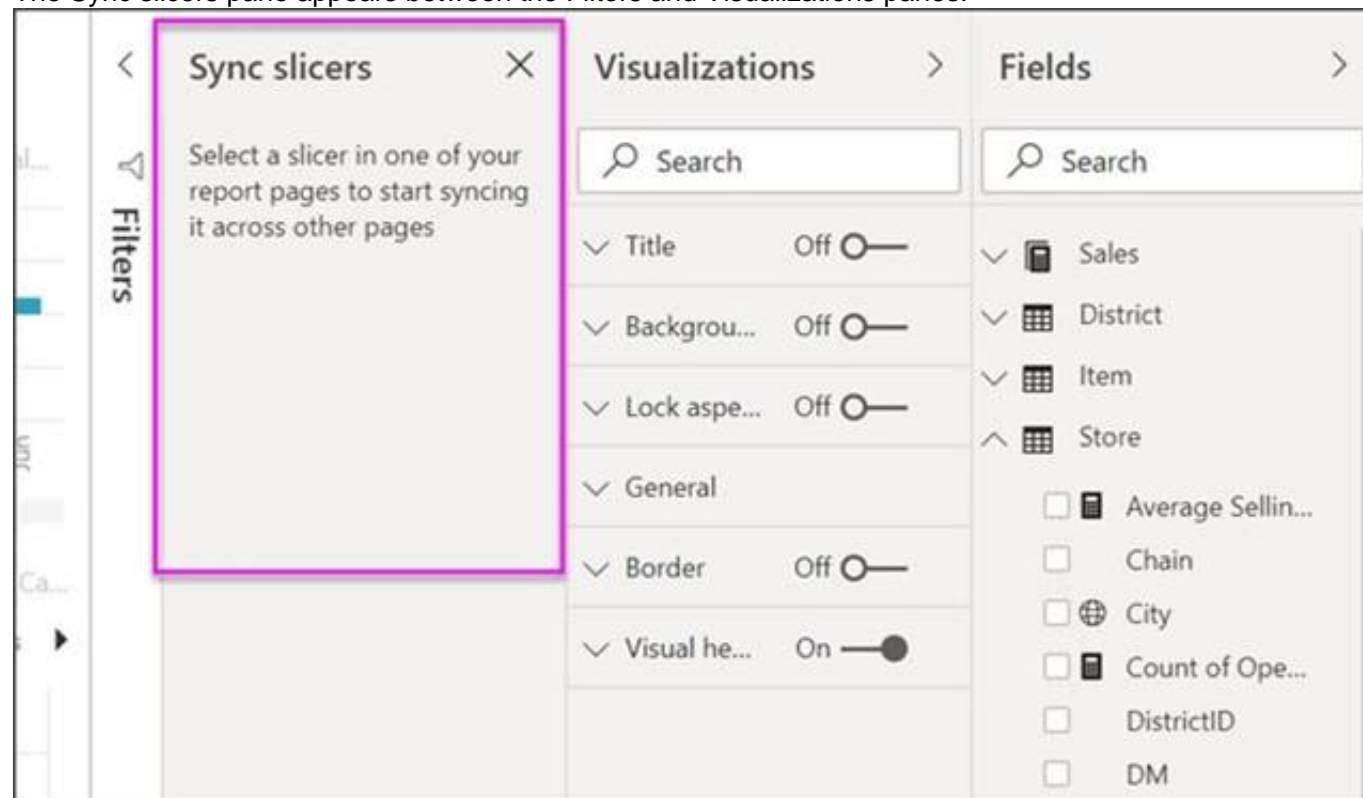
Add a report-level filter to filter an entire report.

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 195

- (Exam Topic 4)

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

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

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

The following columns contain date information:

- Date[Month] in the mmyyyy format
 - Date[Date_ID] in the ddmmyyyy format
 - Date[Date_name] in the mm/dd/yyyy format
 - Monthly_returns[Month_ID] in the mmyyyy format
- The Order table contains more than one million rows.

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

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

You need to create a relationship between the Order table and the Store table on the Store_ID column. What should you do before you create the relationship?

- A. In the Order table query, use the Table.TransformRows function.
- B. In the Store table query, use the Table.TransformRows function.
- C. In the Store table query, use the Table.TransformColumnTypes function.
- D. In the Order table query, use the Table.TransformColumnTypes function.

Answer: C

NEW QUESTION 200

.....

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