Microsoft

Exam Questions PL-300

Microsoft Power BI Data Analyst

NEW QUESTION 1
- (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- manyrelationship 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 2
- (Topic 1)
You need to get data from the Microsoft SQL Server tables. What should you use to configure the connection'

A. import that uses a Microsoft account
B. DirectQuery that uses the end-user s credentials
C. DirectQuery that uses a database credential
D. Import that uses a database credential

Answer: B

NEW QUESTION 3
- (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 4
- (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
- (Topic 1)
You need to create the required relationship for the executive's visual. What should you do before you can create the relationship?

A. Change the data type of Sales[region_id] to Whole Number.
B. In the Sales table, add a measure for sum(sales_amount).
C. Change the data type of sales[sales_id] to Text.
D. Change the data type of sales [region_id] to Decimal Number.

Answer: A

Explanation:
Scenario: Executives require a visual that shows sales by region.
Need to change the sales_id column from Varchar to Whole Number (Integer).

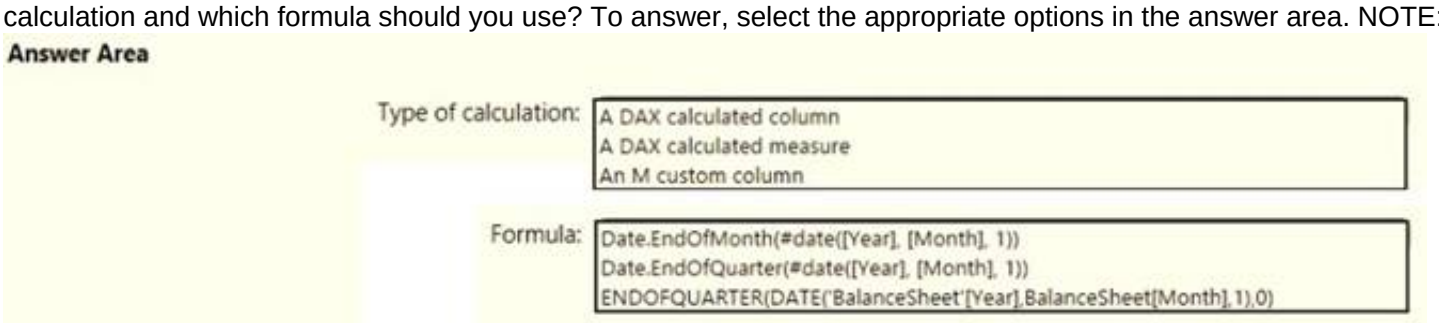
NEW QUESTION 6
- (Topic 2)
You need to ensure that the data is updated to meet the report requirements. The solution must minimize configuration effort.
What should you do?

A. From each report in powerbi.co
B. select Refresh visuals
C. From Power Bl Desktop, download the PBIX file and refresh the data.

D. Configure a scheduled refresh without using an on-premises data gateway.
E. Configure a scheduled refresh by using an on-premises data gateway

Answer: C

NEW QUESTION 7
HOTSPOT - (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.

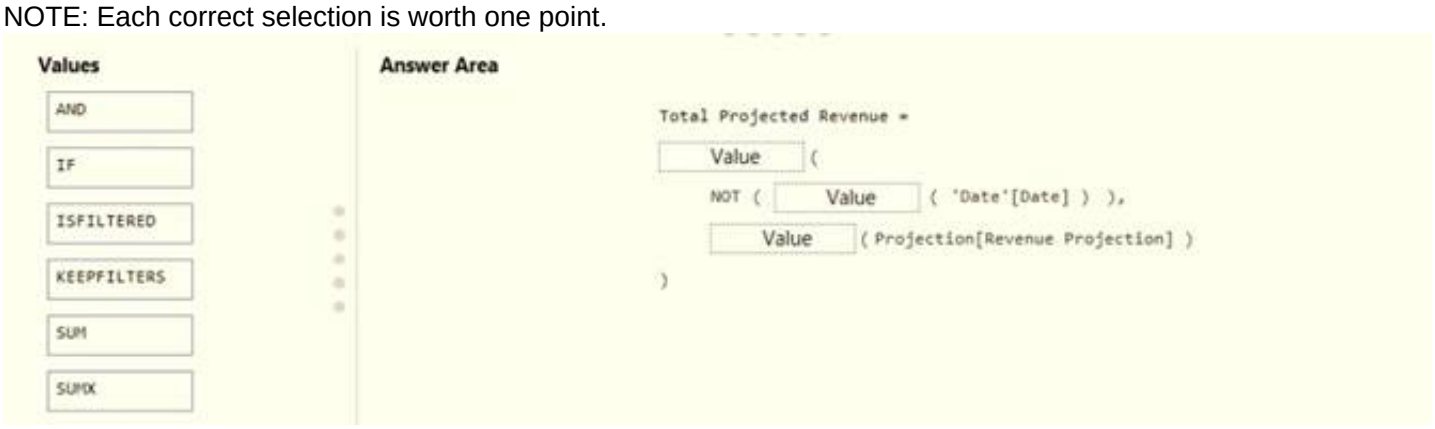


A. Mastered
B. Not Mastered

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])

NEW QUESTION 8
DRAG DROP - (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.



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

NEW QUESTION 9
- (Topic 2)
You need to create the relationship between the product list and the revenue results. The solution must minimize the time it takes to render visuals.
What should you set as the relationship cardinality?

A. One to one
B. Many to one
C. One to many
D. Many to many

Answer: C

NEW QUESTION 10
- (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 contributer (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 10
HOTSPOT - (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.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
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 11
- (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 14
- (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 15
- (Topic 4)
You have a Power Bl 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 snows 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?

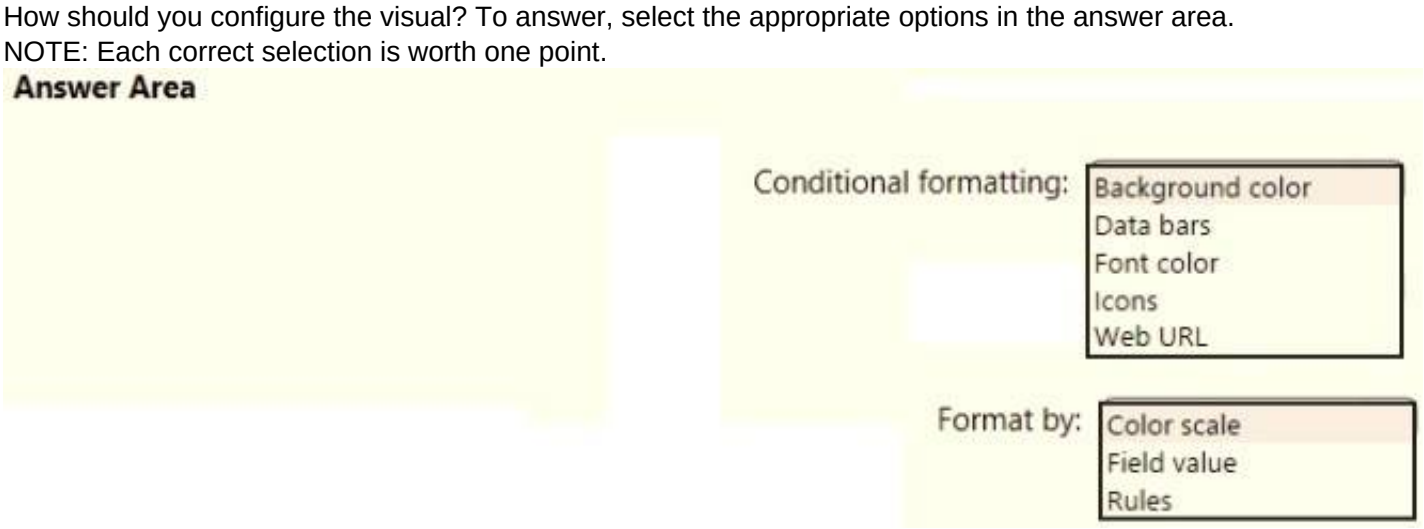
A. Apply a row filter to the Dalai query in Power Query Editor.
B. Add a trend line to the scatter plot
C. Enable high-density sampling on the scatter plot
D. Add a count field of the transaction amount to the size bucket of the scatter plot

Answer: B

NEW QUESTION 20
HOTSPOT - (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.



A. Mastered
B. Not Mastered

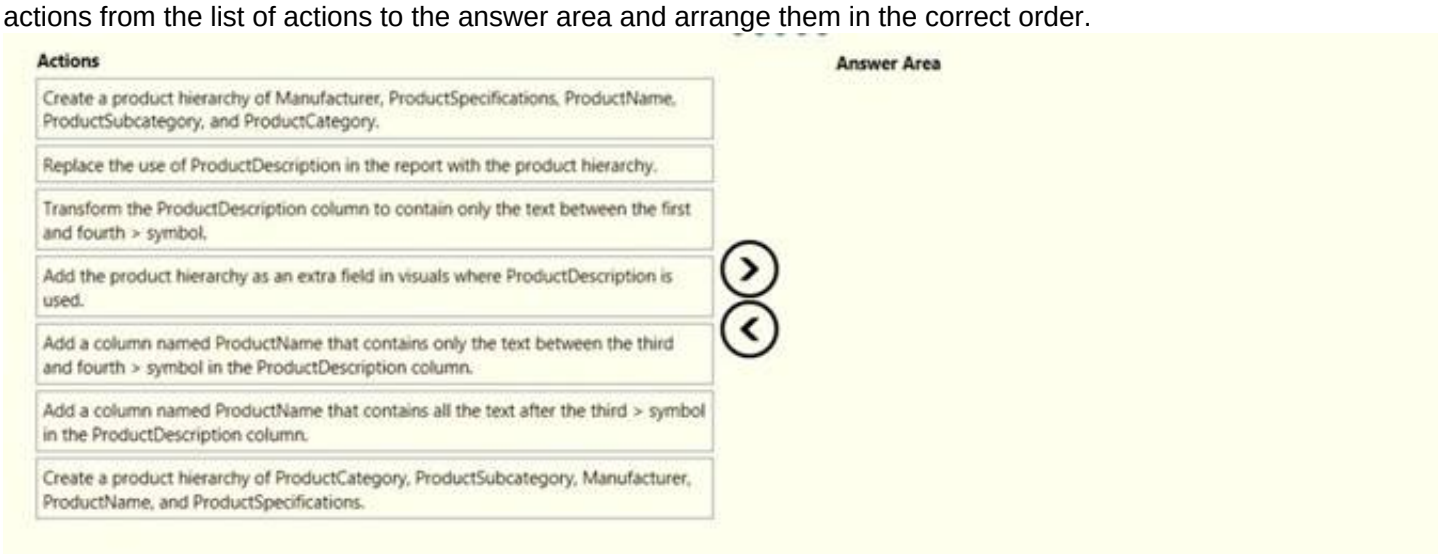
Answer: A

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.

NEW QUESTION 22
DRAG DROP - (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

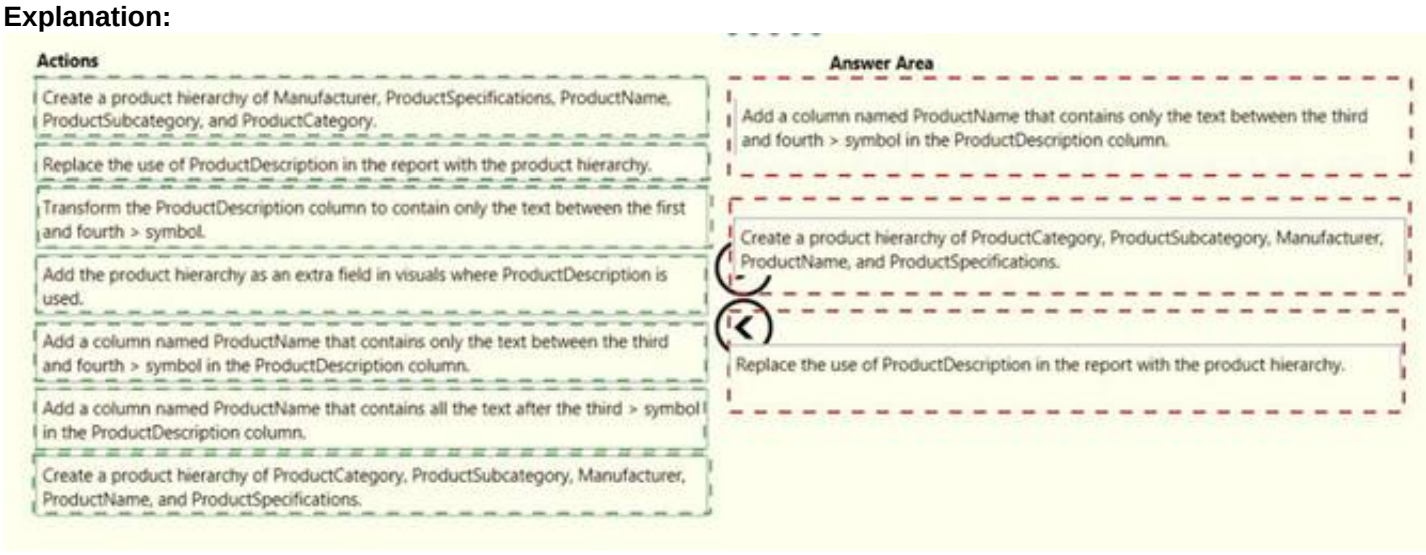
Warehouse managers report that it is difficult to use the report because the report uses only the product name in tables and visuals. The product name is contained within the ProductDescription column and is always the fourth value.
You need to modify the report to support the warehouse managers requirement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



A. Mastered
B. Not Mastered

Answer: A

Explanation:



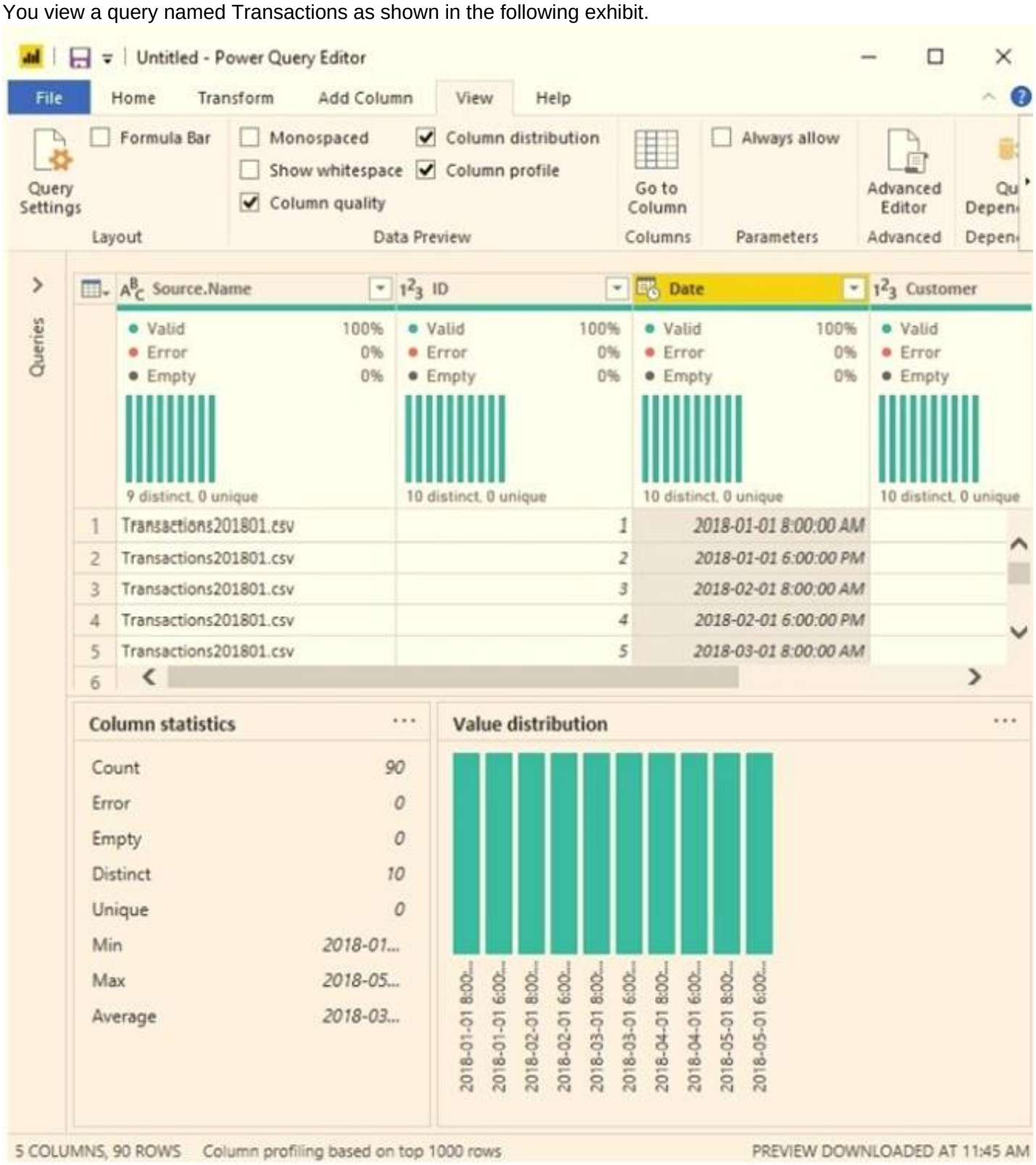
NEW QUESTION 27
- (Topic 4)
Your company has employees in 10 states.
The company recently decided to associate each state to one of the following three regions: East, West, and North.
You have a data model that contains employee information by state. The model does NOT include region information.
You 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 28
HOTSPOT - (Topic 4)
You view a query named Transactions as shown in the following exhibit.



The query gets CSV files from a folder.
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]** CSV files: 9 / 10 / 25 / 90 / 1,000

Removing duplicates based on the Date column will reduce the dataset to **[answer choice]** rows: 9 / 10 / 25 / 90 / 1,000

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: 9
9 distinct CSV files.
Box 2: 10
10 distinct dates.
https://pediaa.com/what-is-the-difference-between-unique-and-distinct-in-sql/#:~:text=Unique%20and%20Distinct%20are%20two%20SQL%20constraints.,the%20re cords%20from%20a%20table.

NEW QUESTION 30
FILL IN THE BLANK - (Topic 4)

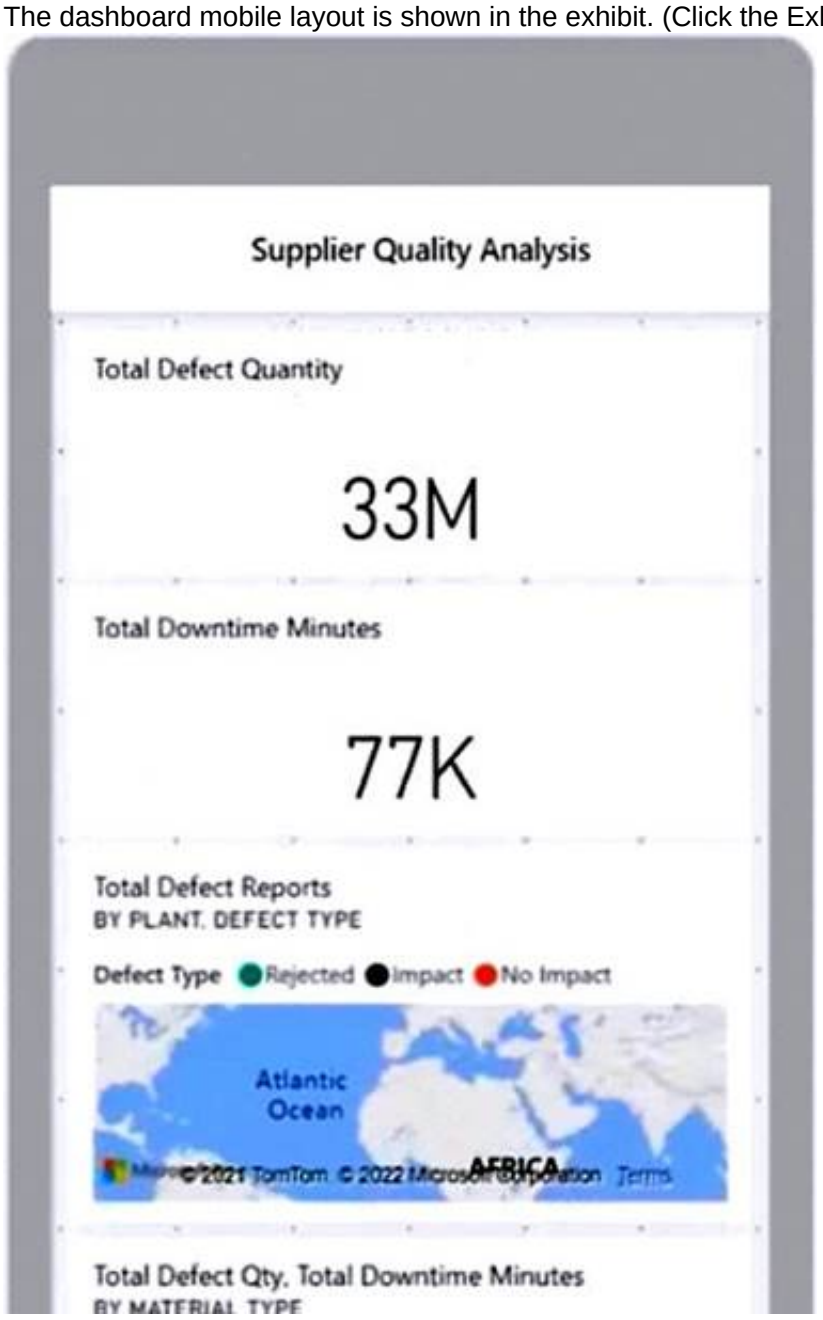
You have the Power Bi dashboard shown in the Dashboard exhibit (Click the Dashboard tab.)
You need to ensure that when users view the dashboard on a mobile device, the dashboard appears as shown in the Mobile exhibit. (Click the Mobile tab.)
What should you do? To answer, select the appropriate options m the answer area NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Answer as selected

NEW QUESTION 34
- (Topic 4)
You maintain a Power Bl 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 38
- (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.

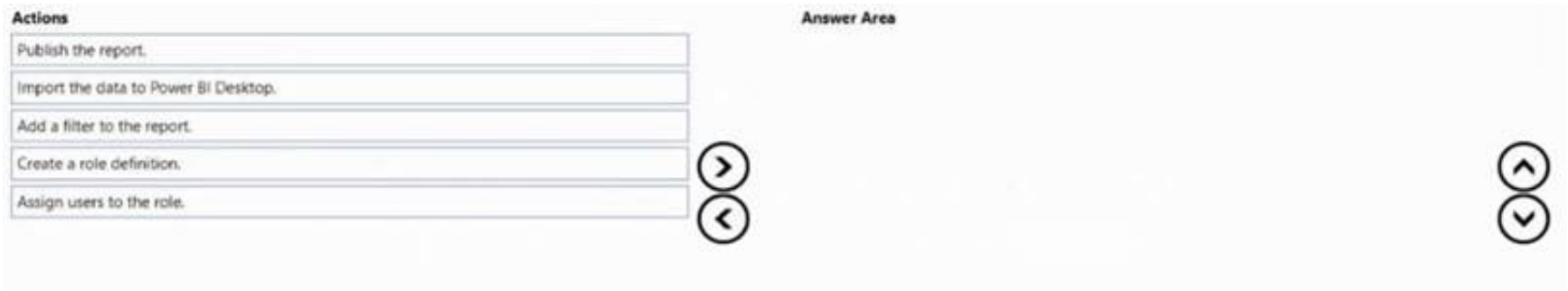
Answer: D

NEW QUESTION 41
- (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 compliant occurred. The data in Logged is in the following format: 2018-12-31 at 08:59.
You need to be able to analyze the complaints by the logged date and use a built-in date hierarchy.
What should you do?

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

Answer: C

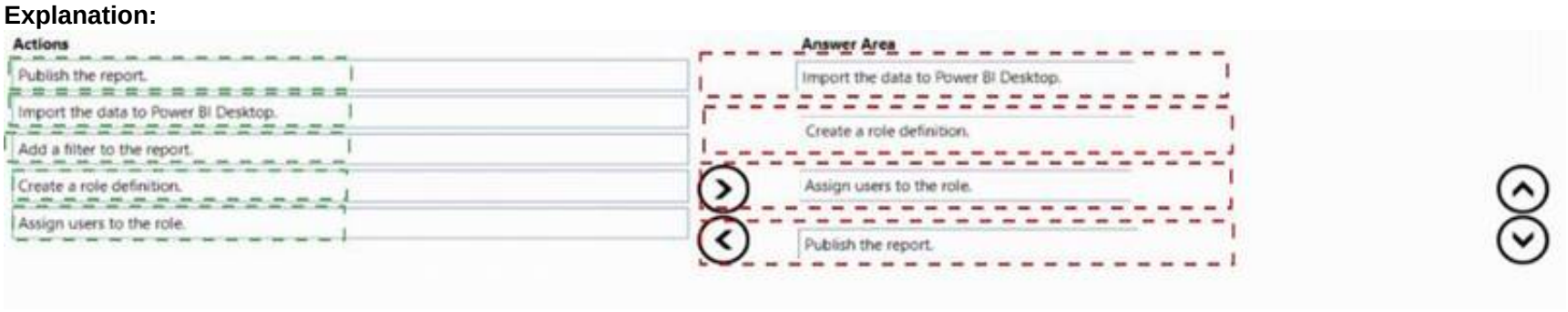
NEW QUESTION 42
DRAG DROP - (Topic 4)
You plan to create a report that will display sales data from the last year for multiple regions
You need to restrict access to individual rows of the data on a per region-basis by using roles.
Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 45
- (Topic 4)
You are creating a query to be used as a Country dimension in a star schema. A snapshot of the source data is shown in the following table.

Country	City
USA	Seattle
USA	New York
USA	Denver
UK	Manchester
UK	London
Japan	Tokyo
Brazil	Rio
Brazil	Sao Paulo

You need to create the dimension. The dimension must contain a list of unique countries. Which two actions should you perform? Each correct answer presents part of the solution.

A. Remove duplicates from the Country column.
B. Remove duplicates from the City column.

C. |Remove duplicates from the table.
D. Delete the City column.
E. Delete the Country column.

Answer: AD

Explanation:
To create a dimension table for Country from your source data, you need to perform these two actions34:
? Delete the City column. You don't need this column for your Country dimension, as
it is not a descriptive attribute of Country. You can create another dimension table for City if you want to use it in your analysis.
? Remove duplicates from the Country column. You want to have a list of unique
countries in your dimension table, so you need to remove any duplicate values from this column.

NEW QUESTION 47
- (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 add a Power Apps custom visual to the report. Does this meet the goal?

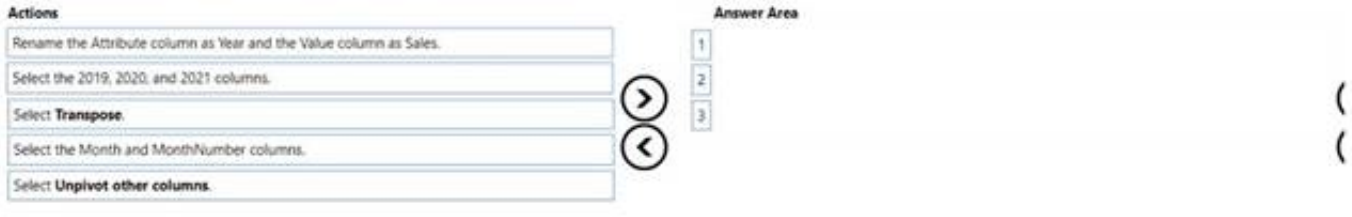
A. Yes
B. No

Answer: A

NEW QUESTION 51
DRAG DROP - (Topic 4)
Exhibit:

9	Sep	9	552	357
10	Oct	10	7838	24214
11	Nov	11	83544	257
12	Dec	12	32455	389

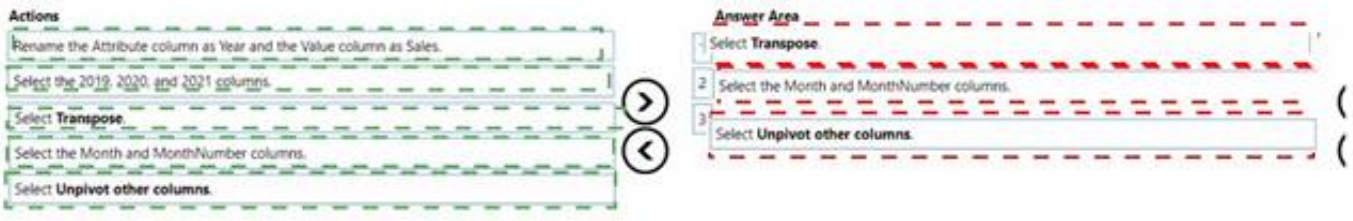
You need to create a report that meets the requirements:
• Visualizes the Sales value over a period of years and months
• Adds a Slicer for the month
• Adds a Slicer for the year
Which three actions Should you perform in sequence?



A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 52
- (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 57
- (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 59
- (Topic 4)
You have data in a Microsoft Excel worksheet as shown in the following table.

	A	B	C
1	SKU	price	discount
2	P00001	100	0.08
3	P00002	150	0.03
4	P00003	130	#DIV/0!
5	P00004	200	0.06
6	P00005	80	#NAME?
7	P00006	350	#N/A
8	P00007	100	#NULL!
9	P00008	200	0.05
10	P00009	135	#NUM!
11	P00010	90	#REF!
12	P00011	120	#VALUE!

You need to use Power Query to clean and transform the dataset. The solution must meet the following requirements:
• If the discount column returns an error, a discount of 0.05 must be used.
• All the rows of data must be maintained.
• Administrative effort must be minimized. What should you do in Power Query Editor?

A. Select Keep Errors
B. Edit the query in the Query Errors group.
C. Select Replace Errors
D. Select Remove Errors.

Answer: C

NEW QUESTION 63
- (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 65
- (Topic 4)
You have a Microsoft Power Bl 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 68
- (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 (Pll). 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 71
- (Topic 4)
You have a Microsoft Excel file on a file server.
You create a Power BI report and import a table from the Excel file. You publish the report.
You need to ensure that the data refreshes every four hours. What should you do first?

A. Upload the Excel file to a Power BI workspace.
B. Create a subscription to the report.
C. Deploy an on-premises data gateway.
D. Edit the data source credentials.

Answer: C

NEW QUESTION 72
- (Topic 4)
You plan to create a dashboard in the Power BI service that retrieves data from a Microsoft SQL Server database. The dashboard will be shared between the users in your organization.
You need to ensure that the users will see the current data when they view the dashboard. How should you configure the connection to the data source?

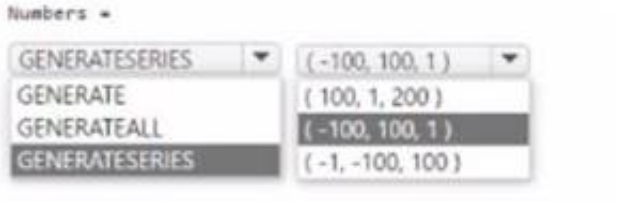
A. Deploy an on-premises data gateway (personal mode). Import the data by using the Import Data Connectivity mode.
B. Deploy an on-premises data gatewa
C. Import the data by using the Import Data Connectivity mode.
D. Deploy an on-premises data gatewa
E. Import the data by using the DirectQuery Data Connectivity mode.
F. Deploy an on-premises data gateway (personal mode). Import the data by using the DirectQuery Data Connectivity mode.

Answer: D

Explanation:
References: https://docs.microsoft.com/en-us/power-bi/desktop-directquery-about#power-bi-connectivity-modes

NEW QUESTION 75
HOTSPOT - (Topic 4)
You are creating a Power Bi model in Power BI Desktop
You need to create a calculated table named Numbers that will contain all the integers from
-100 to 100. How should you complete the DAX calculation? To answer, select the appropriate options in the answer area. NOTE Each correct selection is worth one point.

Answer Area

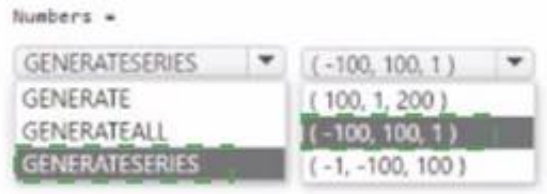


A. Mastered
B. Not Mastered

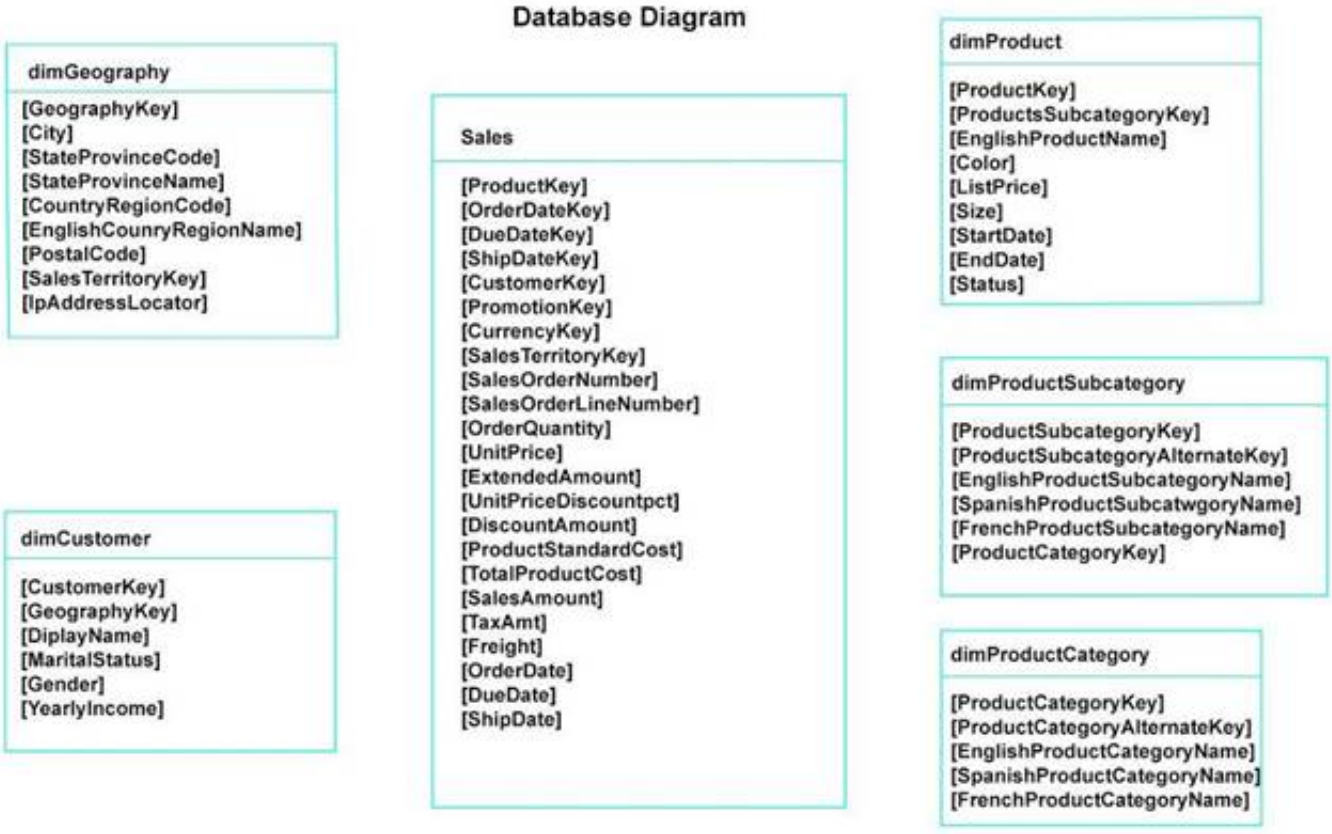
Answer: A

Explanation:

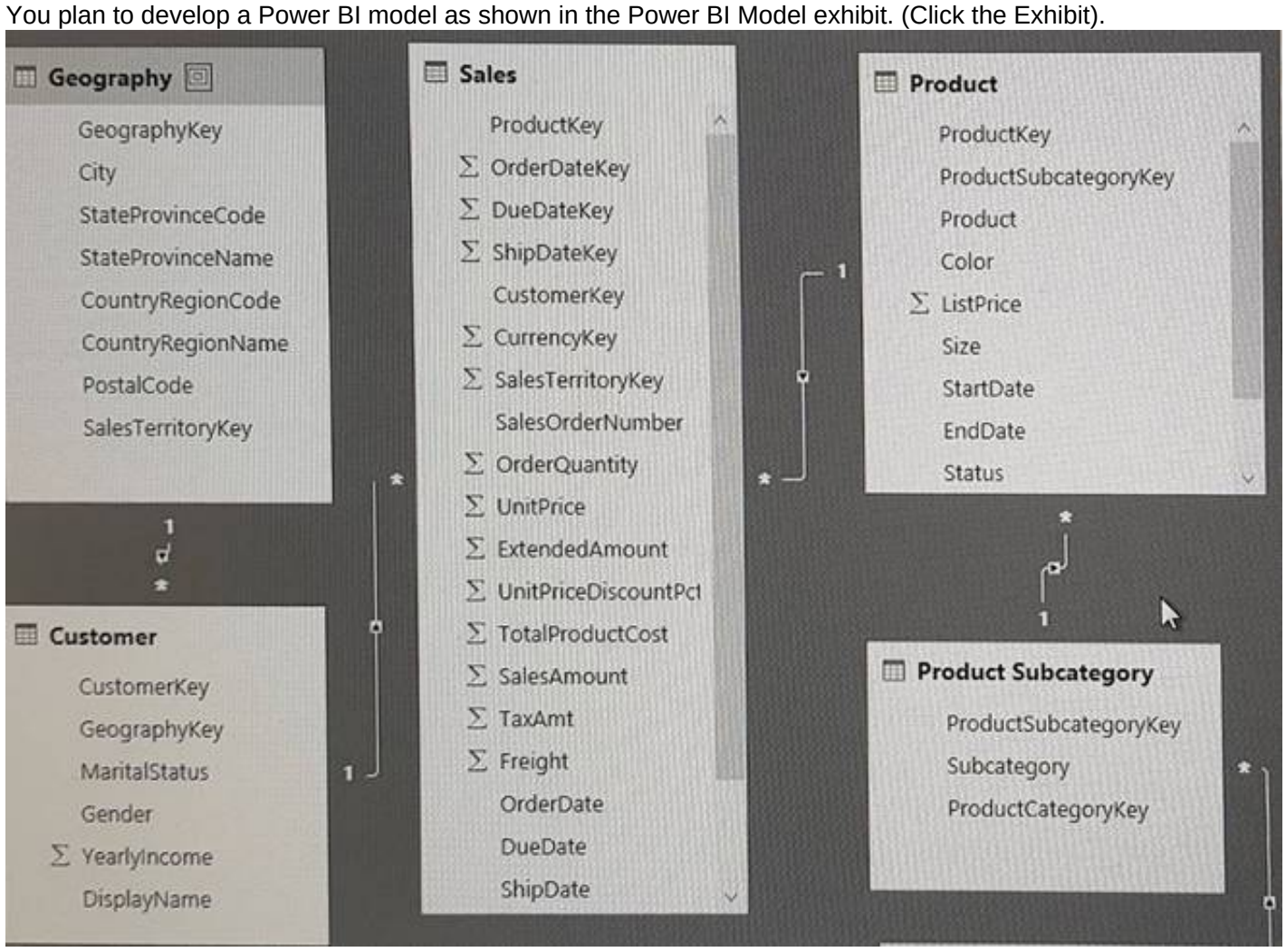
Answer Area



NEW QUESTION 78
- (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 82
- (Topic 4)
You have a Power Bl workspace named Inventory that contains a dataset a report and a dashboard.
You need to add an additional tile to the dashboard. The tile must show inventory by location. This information is NOT visualized in the report. The solution must minimize the impact on the report.
Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. Use quick insights on the dashboard.
B. Hide the report page.
C. Ask a question by using Q&A.
D. Add the visual to the report.
E. Pin the visual to the dashboard.

Answer: CE

NEW QUESTION 86
- (Topic 4)
A business intelligence (Bl) developer creates a dataflow in Power Bl that uses DirectQuery to access tables from an on premises Microsoft SQL server. The Enhanced Dataflows Compute Engine is turned on for the dataflow.
You need to use the dataflow in a report. The solution must meet the following
requirements:
• Minimize online processing operations.
• Minimize calculation times and render times for visuals.
• include data from the current year, up to and including the previous day. What should you do?

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

Answer: A

NEW QUESTION 88
DRAG DROP - (Topic 4)
You create a data model in Power BI.
Report developers and users provide feedback that the data model is too complex. The model contains the following tables.

Table name	Column name	Data type
Sales_Region	region_id	Integer
	name	Varchar
Region_Manager	region_id	Integer
	manager_id	Integer
Sales_Manager	sales_manager_id	Integer
	name	Varchar
	region_id	Integer
Manager	manager_id	Integer
	name	Varchar

The model has the following relationships:
*There is a one-to-one relationship between Sales_Region and Region_Manager.
*There are more records in Manager than in Region_Manager, but every record in Region_Manager has a corresponding record in Manager.
*There are more records in Sales_Manager than in Sales_Region, but every record in Sales_Region has a corresponding record in Sales_Manager.
You need to denormalize the model into a single table. Only managers who are associated to a sales region must be included in the 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.
NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
* 1.Merge [Region_Manager] and [Manager] by using an inner join. 3.Merge [Sales_Region] and [Sales_Manager] by using an inner join. 6.Merge [Sales_Region] and [Region_Manager] by using an inner join.

NEW QUESTION 92
- (Topic 4)
You have the tables shown in the following table.

Table name	Column name
Campaigns	Campaign_ID
	Name
Ads	Ad_id
	Name
	Campaign_id
Impressions	Impression_id
	Ad_id
	Site_name
	Impression_time
	Impression_date

The Impressions table contains approximately 30 million records per month. You need to create an ad analytics system to meet the following requirements:
? Present ad impression counts for the day, campaign, and Site_name. The
analytics for the last year are required.
? Minimize the data model size.
Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. Group the impressions by Ad_id, Site_name, and Impression_dat
B. Aggregate by using the CountRows function.
C. Create one-to-many relationships between the tables.
D. Create a calculated measure that aggregates by using the COUNTROWS function.
E. Create a calculated table that contains Ad_id, Site_name, and Impression_date.

Answer: AB

Explanation:
Grouping in power query reduces the number of rows in the impression table that is gonna be loaded in the model. Creating relationships doesn't increase the size of the model.

NEW QUESTION 93
- (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: A

NEW QUESTION 94
- (Topic 4)

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

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

Answer: C

Explanation:
You can subscribe yourself and your colleagues to the report pages, dashboards, and paginated reports that matter most to you. Power BI e-mail subscriptions allow you to:
? Decide how often you want to receive the emails: daily, weekly, hourly, monthly, or
once a day after the initial data refresh.
? Choose the time you want to receive the email, if you choose daily, weekly, hourly, or monthly.
Note: Email subscriptions don't support most custom visuals. The one exception is those custom visuals that have been certified.
Email subscriptions don't support R-powered custom visuals at this time.
Reference:
https://docs.microsoft.com/en-us/power-bi/collaborate-share/service-report-subscribe https://docs.microsoft.com/en-us/power-bi/create-reports/service-set-data-alerts

NEW QUESTION 99
- (Topic 4)
You are creating a visual to show the ranking of product categories by sales revenue.
Your company's security policy states that you cannot send data outside of your Microsoft Power Bl tenant
Which approach provides the widest variety of visuals while adhering to the security policy?

A. Use default visuals or custom visuals uploaded from a .pbiviz file.
B. Use only default visuals.
C. Use default or any custom visuals from the marketplace.
D. Use default or certified custom visuals.

Answer: C

NEW QUESTION 101
- (Topic 4)
You have a Power BI tenant.
You have reports that use financial datasets and are exported as PDF files. You need to ensure that the reports are encrypted.
What should you implement?

A. dataset certifications
B. row-level security (RLS)
C. sensitivity labels
D. Microsoft Intune policies

Answer: C

Explanation:
General availability of sensitivity labels in Power BI.
Microsoft Information Protection sensitivity labels provide a simple way for your users to classify critical content in Power BI without compromising productivity or the ability to collaborate. Sensitivity labels can be applied on datasets, reports, dashboards, and dataflows. When data is exported from Power BI to Excel, PowerPoint or PDF files, Power BI automatically applies a sensitivity label on the exported file and protects it according to the label's file encryption settings. This way your sensitive data remains protected no matter where it is.
Reference:
https://powerbi.microsoft.com/en-us/blog/announcing-power-bi-data-protection-ga-and-introducing-new-capabilities/

NEW QUESTION 106
- (Topic 4)
You have a Power Bl 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	• Publish Date • URL • Title • Full Text • Summary
Traffic	Website logs	Activity data from your company's entire website	• DateTime • URL Visited • IP Address • Browser Agent • Referring URL

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

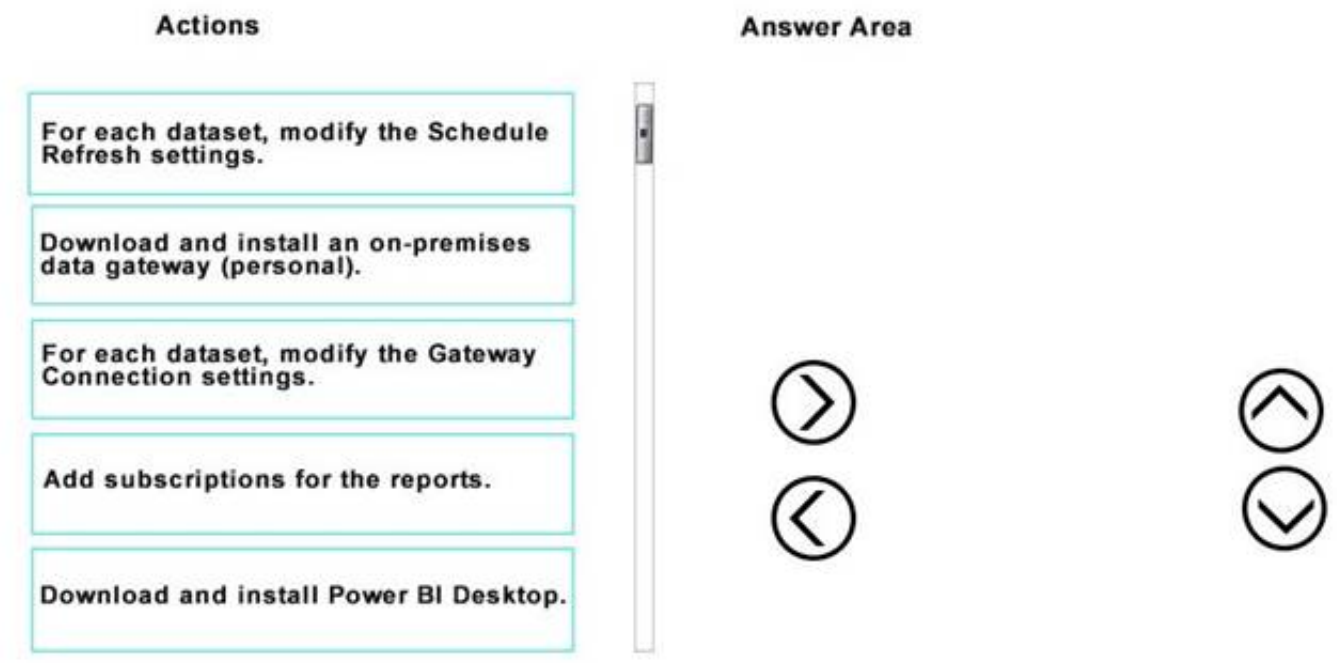
Name	Used field	Filter
Top 10 blog posts of all time	Posts[Title] Traffic[DateTime]	None
Top 10 blog posts from the last seven days	Posts[Title] Traffic[DateTime]	Traffic[DateTime] is in the last 7 days
Blog visits over time	Traffic[DateTime] Traffic[URL Visited]	Traffic[URL Visited] contains "blog"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

The dataset takes a long time to refresh.
You need to modify Posts and Traffic queries to reduce 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 108
DRAG DROP - (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.

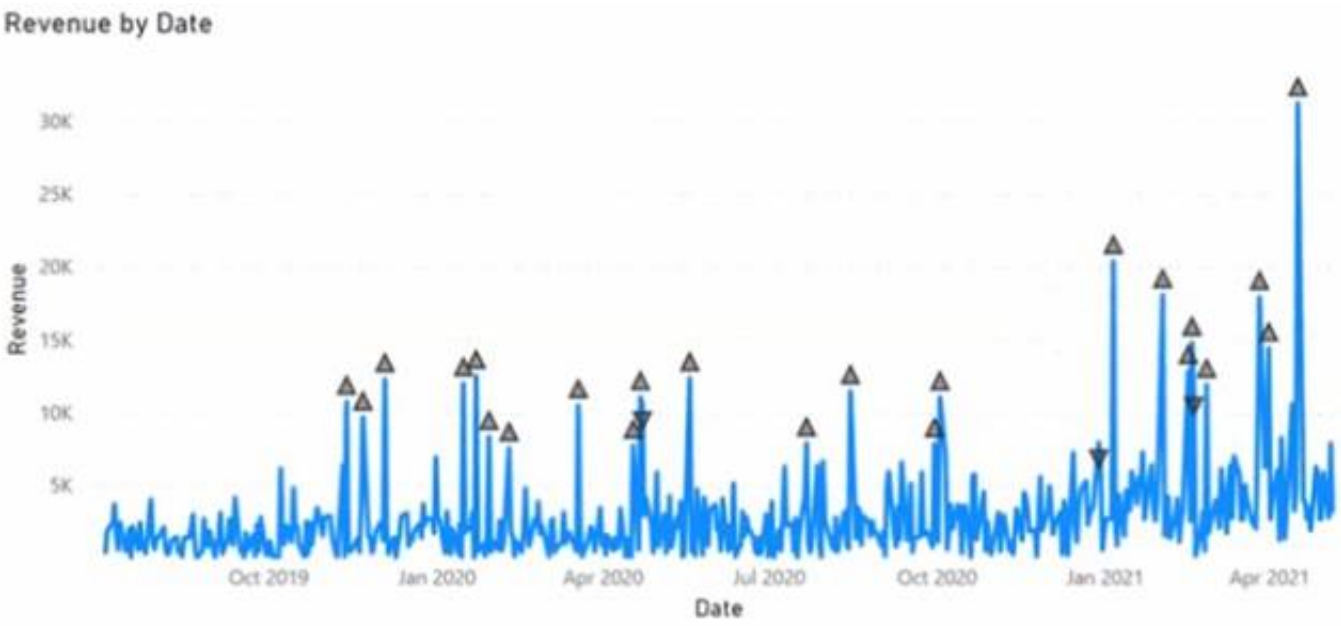


A. Mastered
B. Not Mastered

Answer: A

Explanation:
References: https://docs.microsoft.com/en-us/power-bi/refresh-scheduled-refresh

NEW QUESTION 113
FILL IN THE BLANK - (Topic 4)
You have a Power Bl visual that uses indicators to show values that are out of range as shown in the following exhibit.



A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 114
- (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 Bl Desktop?

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

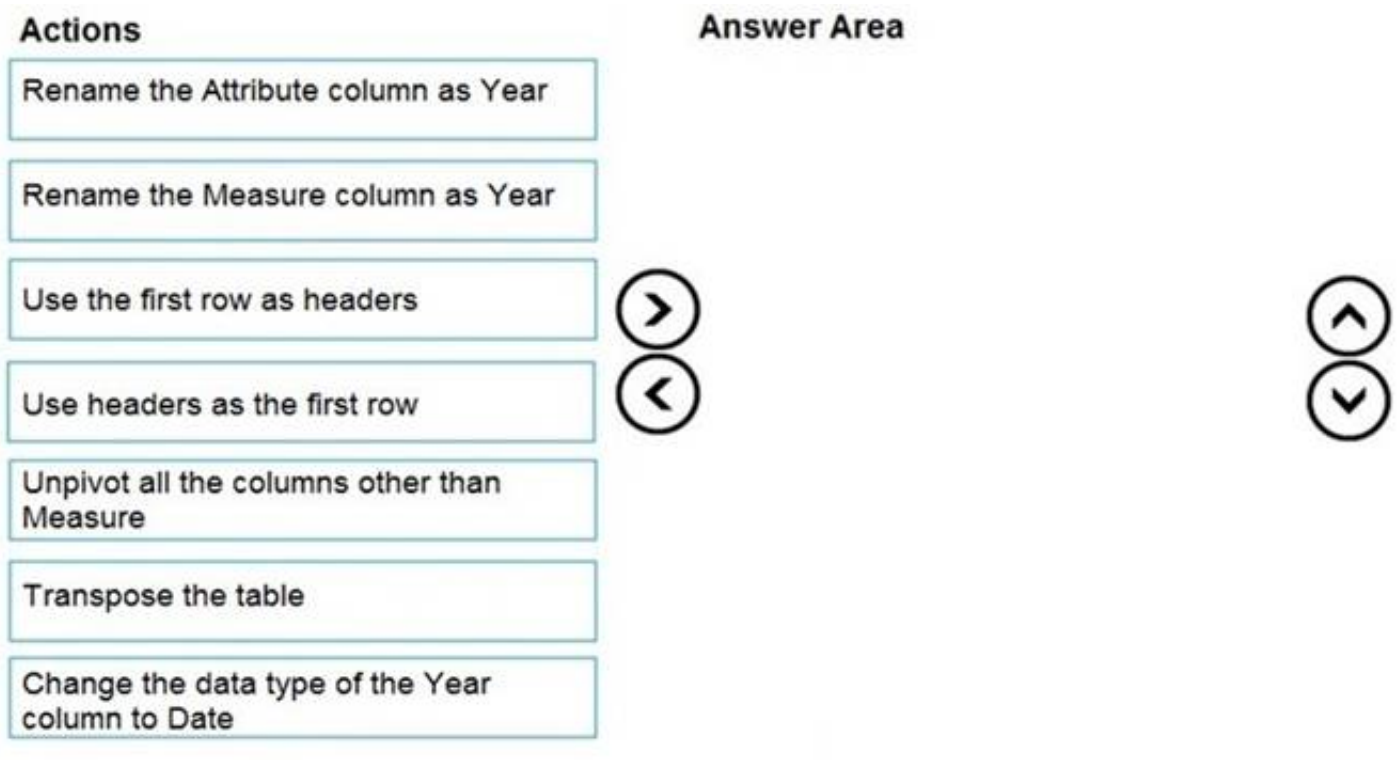
Answer: C

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 119
DRAG DROP - (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	Column2	Column3	Column4	Column5	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

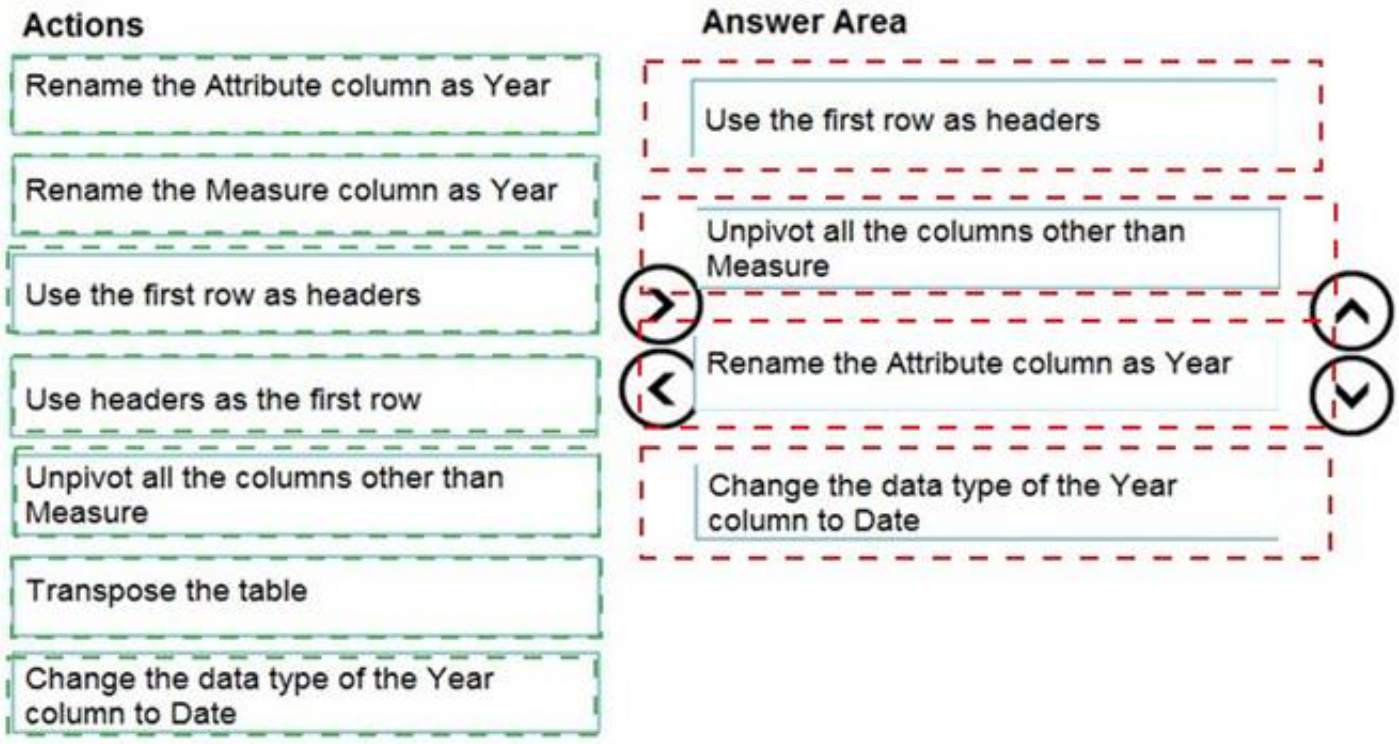
You need to prepare the data to support the following:
? Visualizations that include all measures in the data over time
? Year-over-year calculations for all the measures
Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



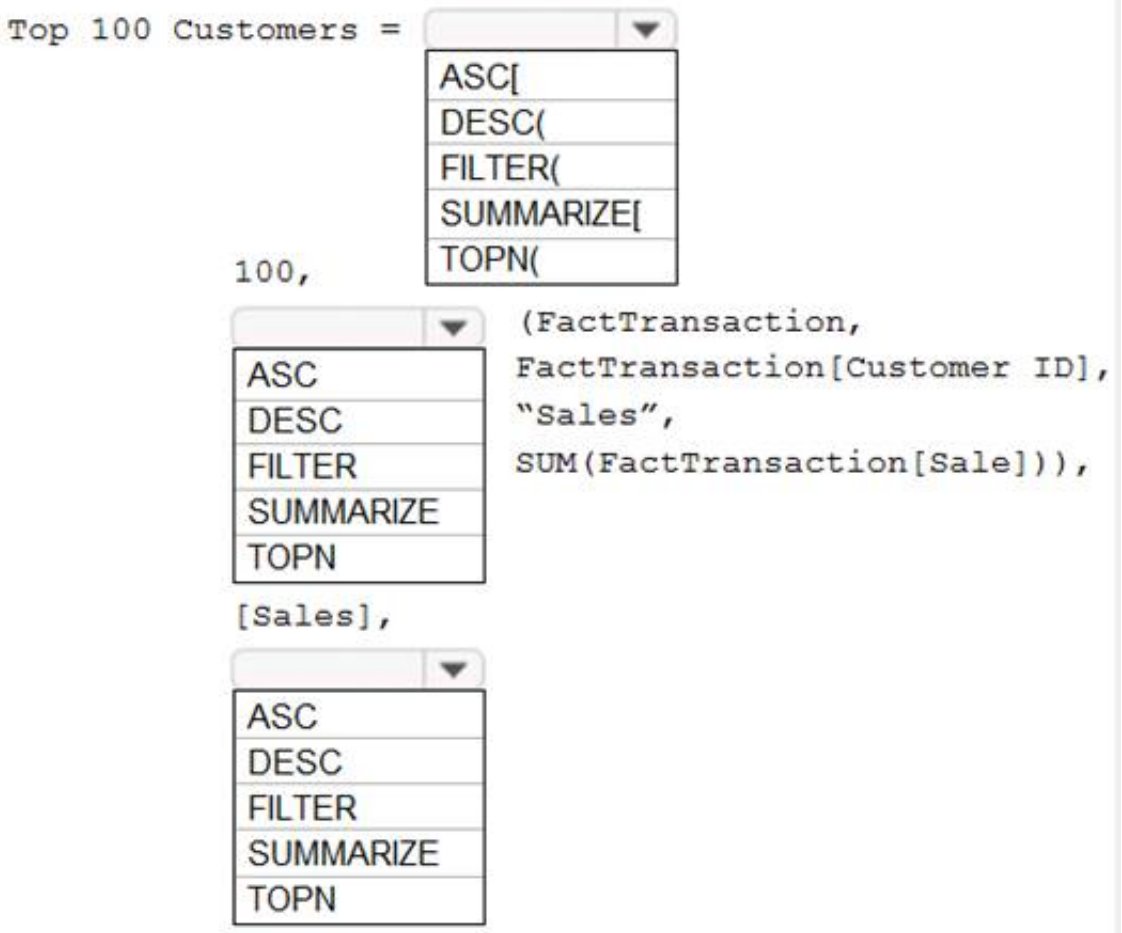
A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 123
HOTSPOT - (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.

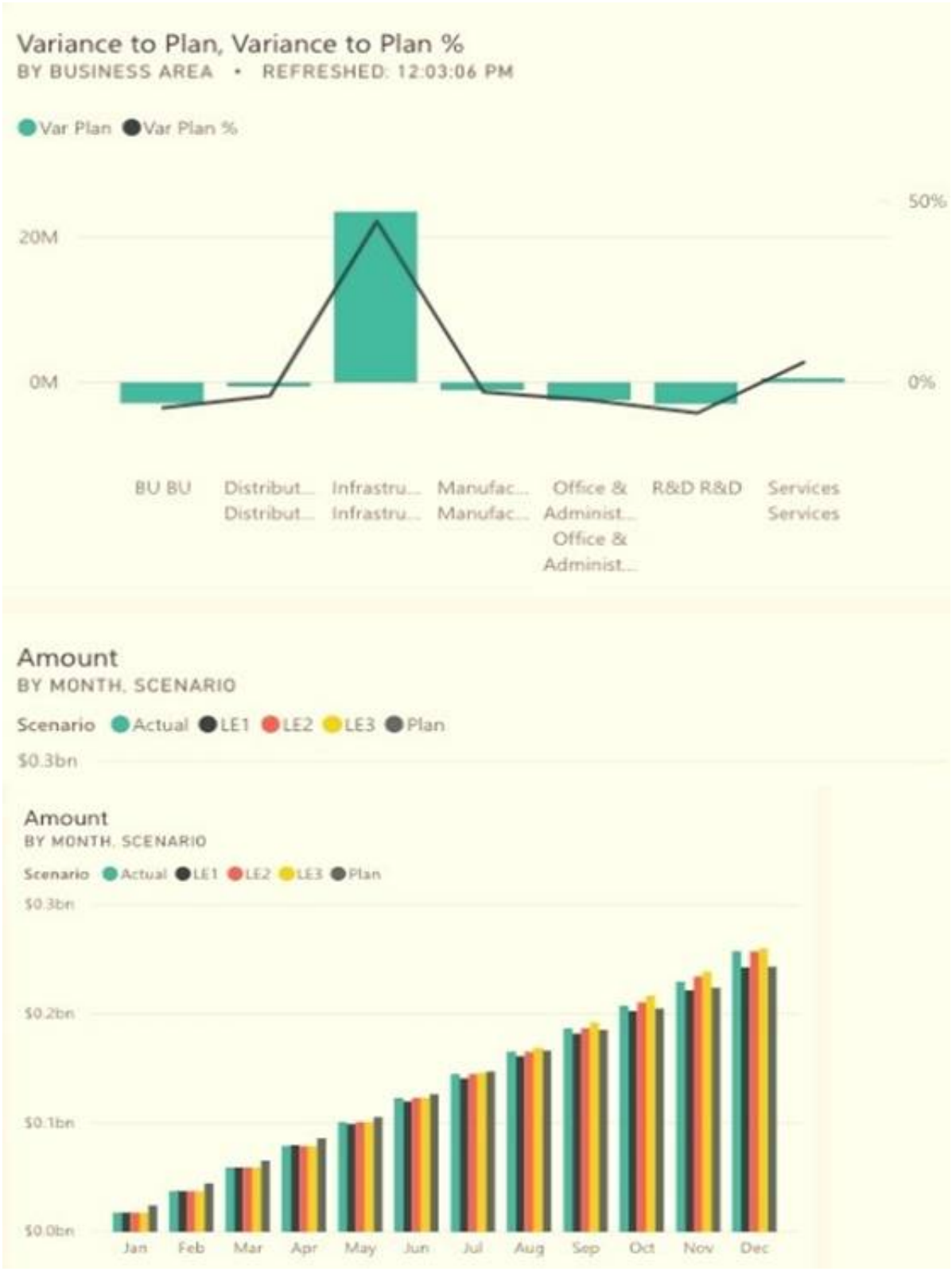


A. Mastered
B. Not Mastered

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>]]…])

NEW QUESTION 128
- (Topic 4)
You have a Microsoft Power Bl dashboard. The report used to create the dashboard uses an imported dataset from a Microsoft SQL Server data source. The dashboard is shown in the exhibit. (Click the Exhibit tab.)



What occurred at 12:03:06 PM?

A. A user pressed F5
B. A new transaction was added to the data source.
C. A user added a comment to a tile.
D. The dashboard tile cache refreshed.

Answer: A

Explanation:
Reference:
https://docs.microsoft.com/en-us/power-bi/connect-data/refresh-data

NEW QUESTION 129
DRAG DROP - (Topic 4)
You have a Microsoft Excel spreadsheet that contains the data shown in the following table.

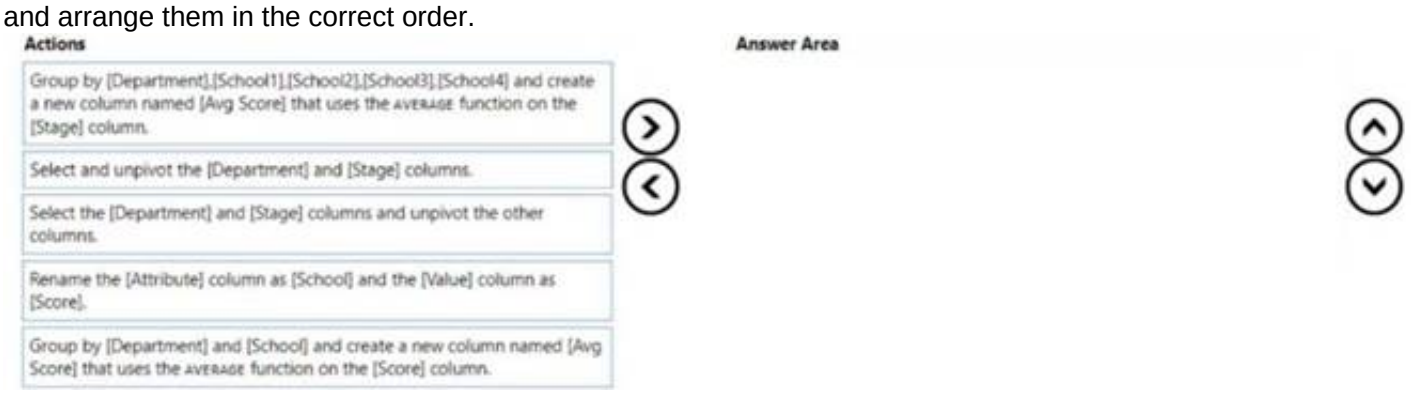
Department	Stage	School1	School2	School3	School4
Mathematics	1	75	65	90	70
Mathematics	2	80	70	80	75
Geography	1	95	65	80	75
Geography	2	80	70	80	75

You plan to build a data model for a Power Bl report.
You need to prepare the data so that it is available to the model in the format shown in the following table.

Department	School	Avg Score
Mathematics	School1	77.5
Geography	School1	87.5

Which three actions should you perform in sequence in Power Query Editor? To answer, move the appropriate actions from the list of actions to the answer area

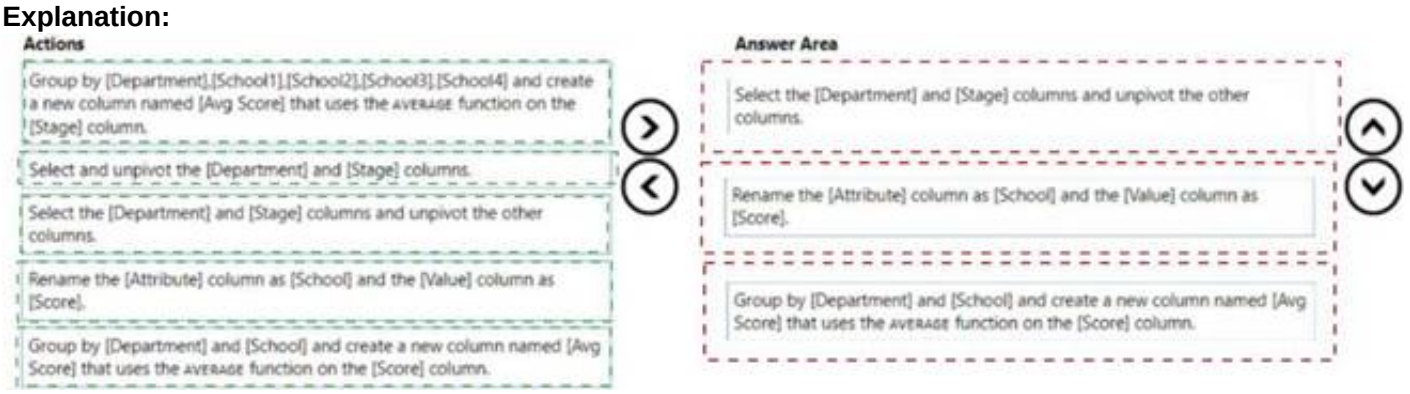
and arrange them in the correct order.



A. Mastered
B. Not Mastered

Answer: A

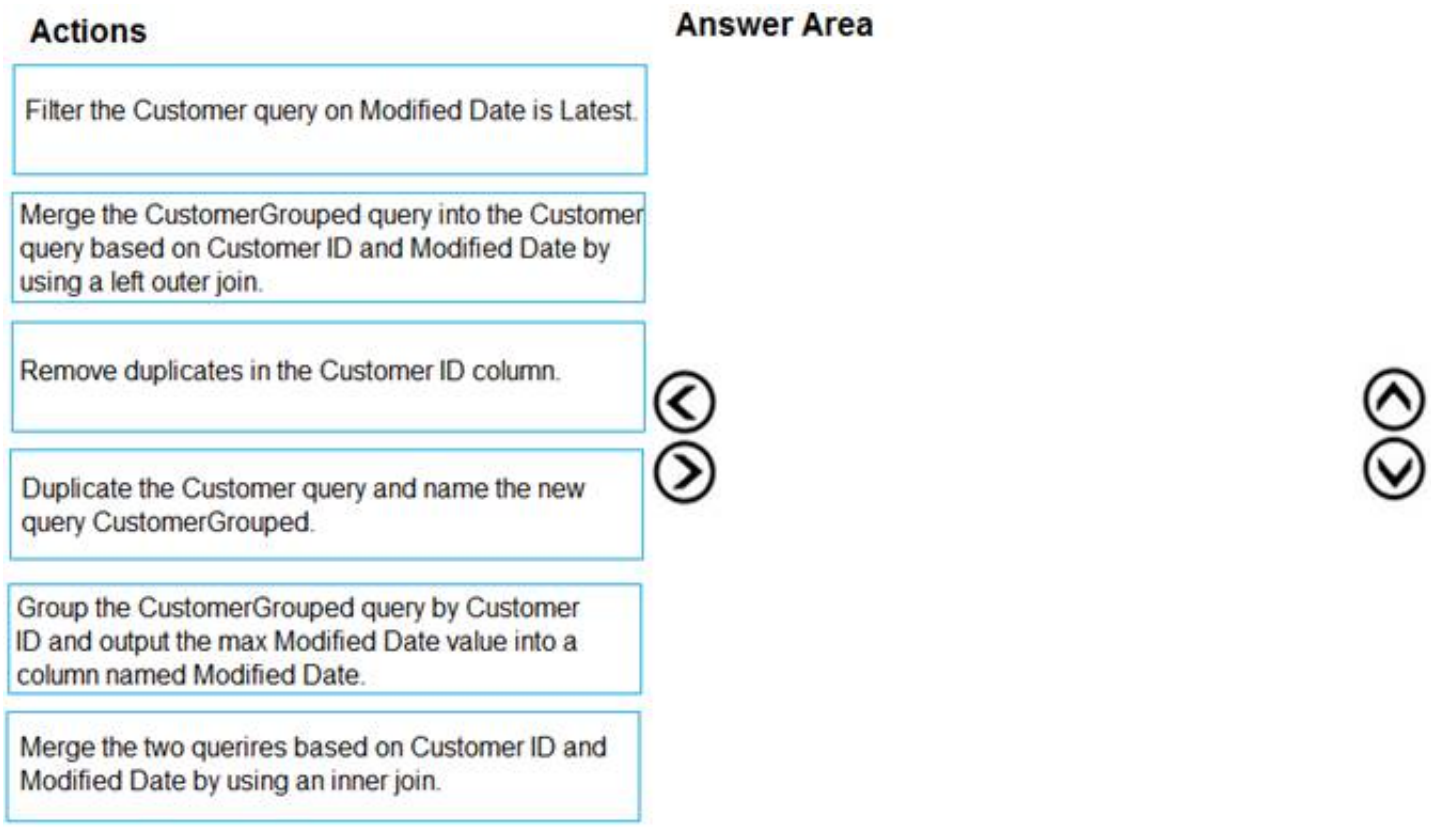
Explanation:



NEW QUESTION 132
DRAG DROP - (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.

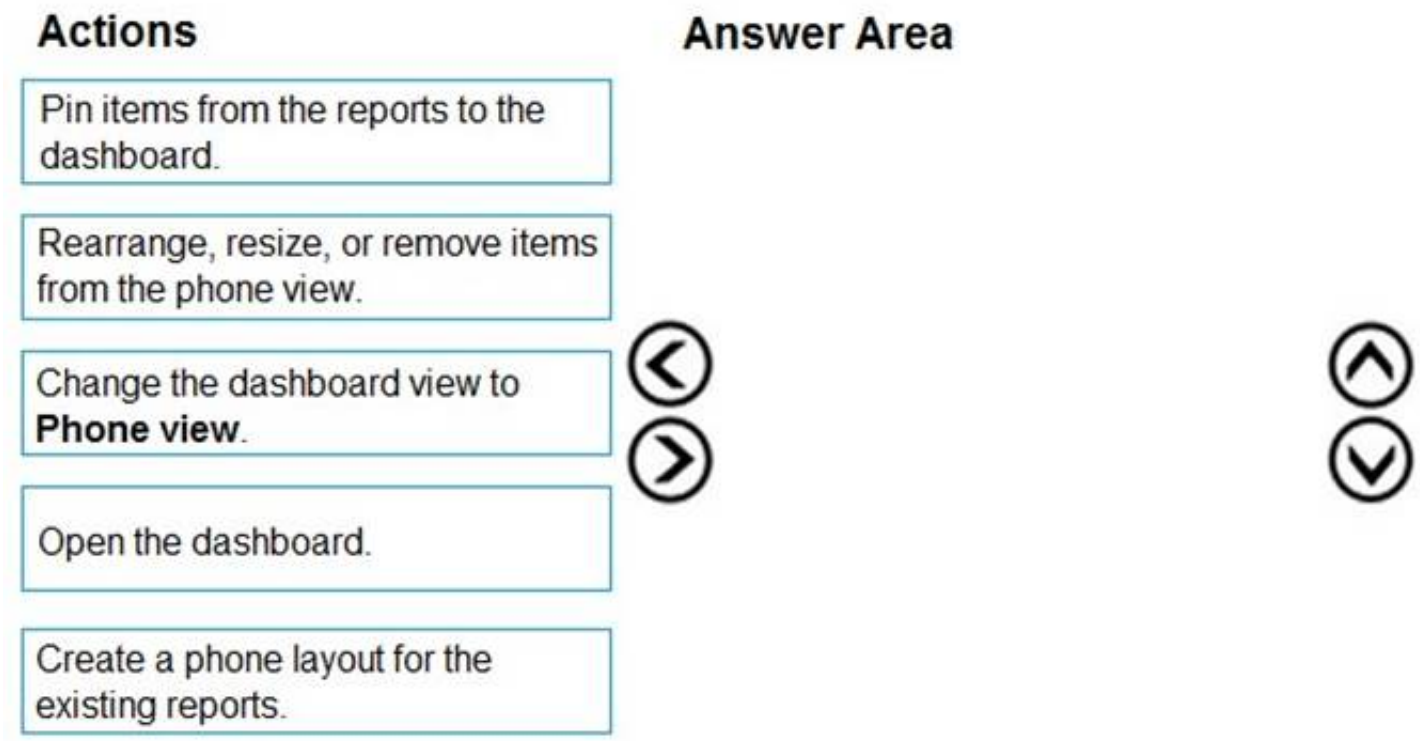


A. Mastered
B. Not Mastered

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 retreive other customer informations related to latest Date)

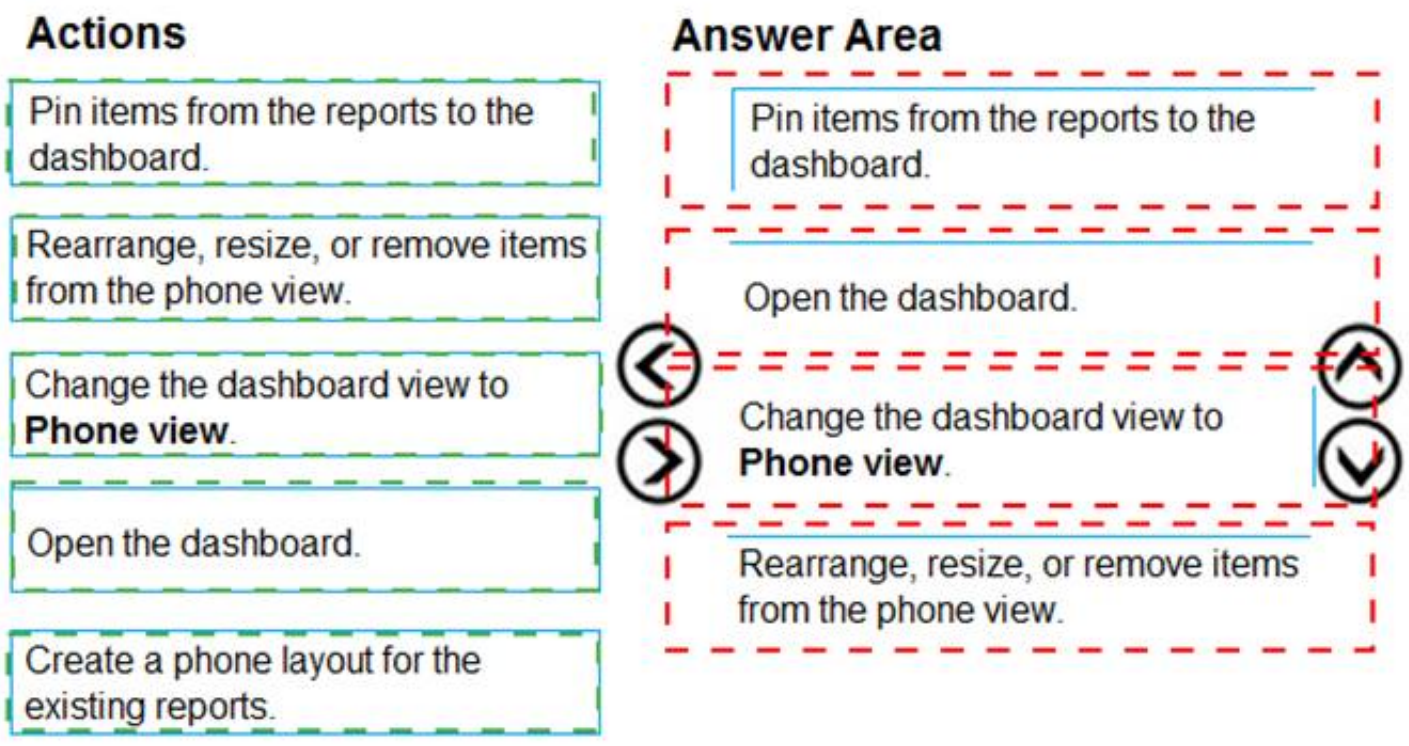
NEW QUESTION 137
DRAG DROP - (Topic 4)
You are using existing reports to build a dashboard that will be viewed frequently in portrait mode on mobile phones.
You need to build the dashboard.
Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



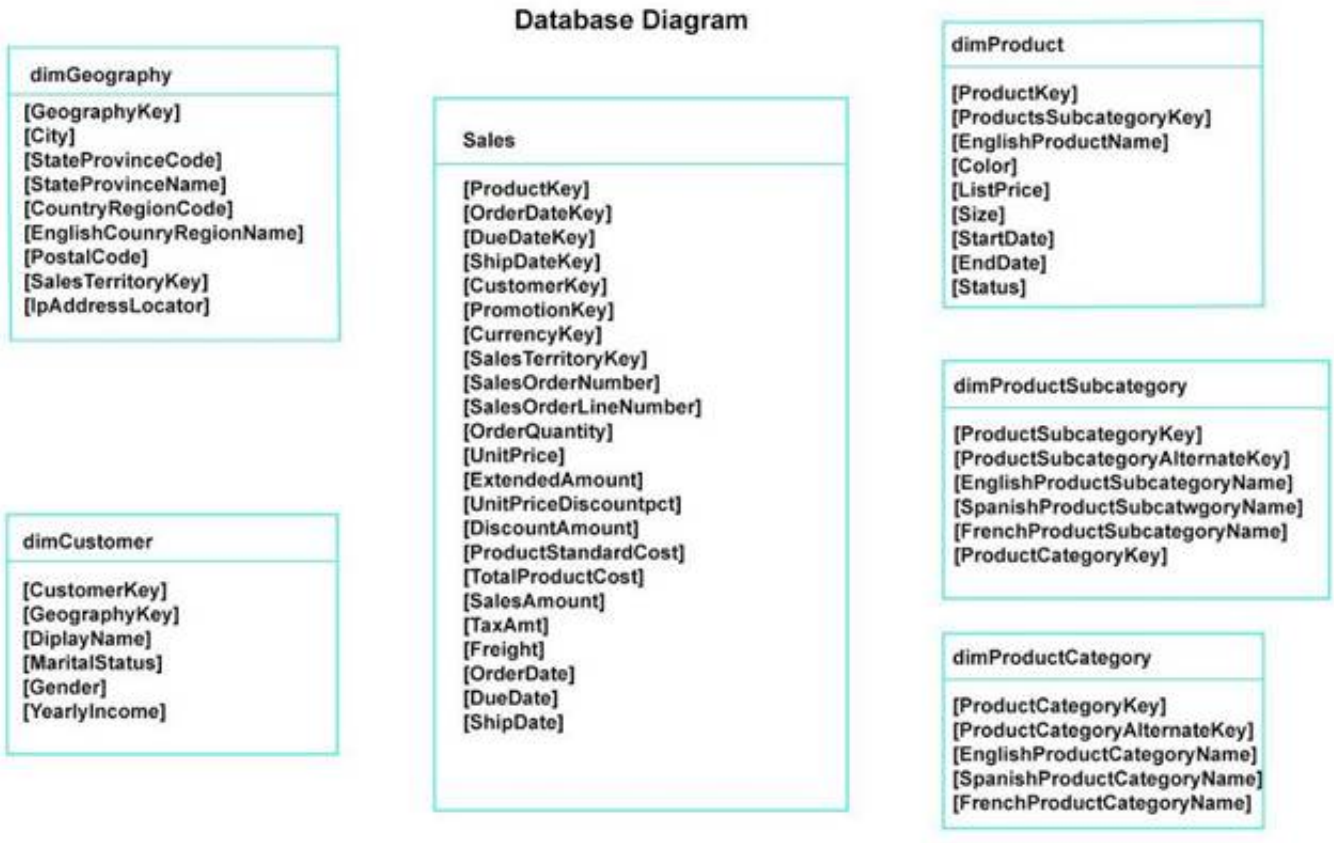
A. Mastered
B. Not Mastered

Answer: A

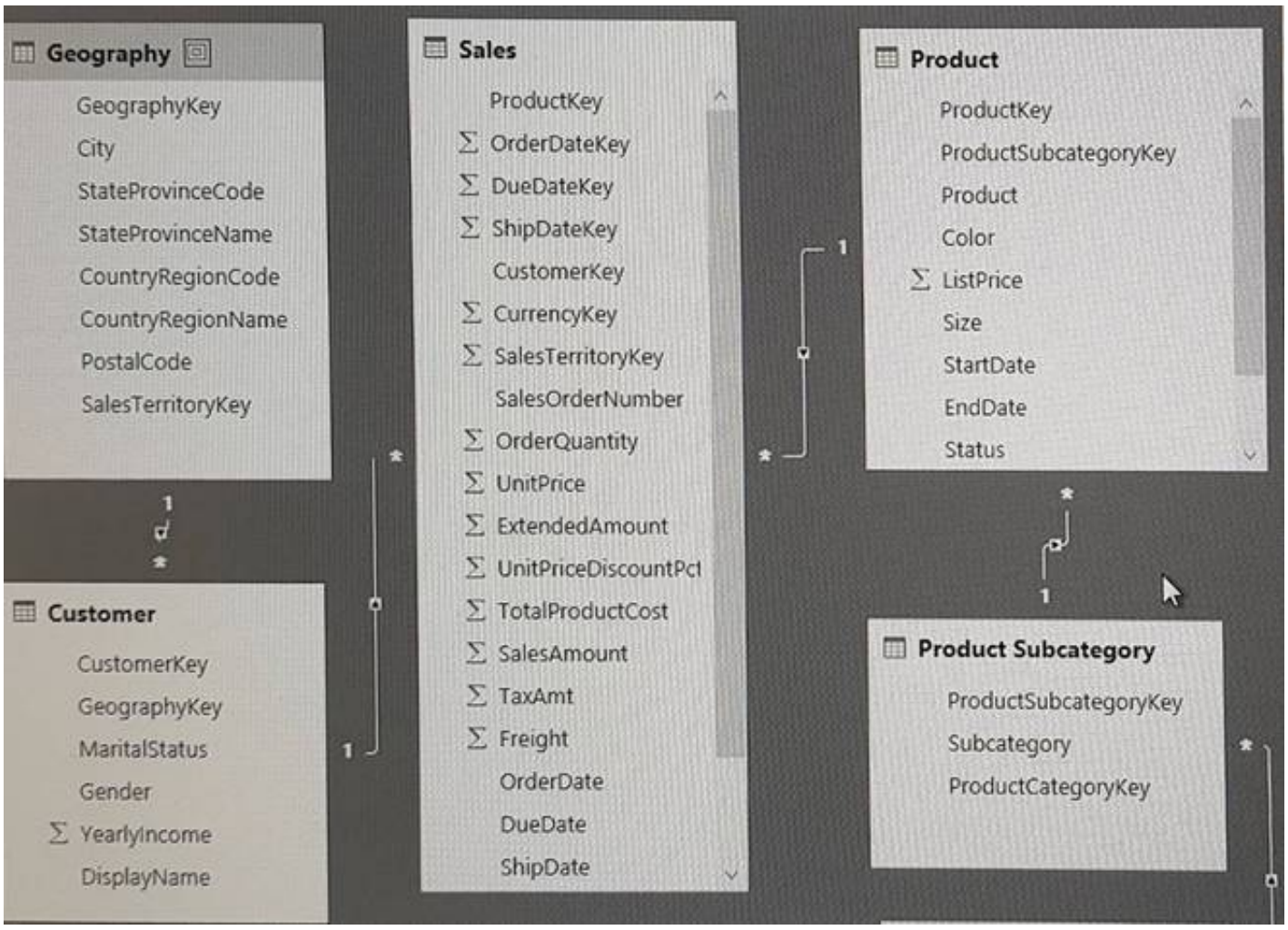
Explanation:



NEW QUESTION 141
- (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 146
- (Topic 4)
What should you create to meet the reporting requirements of the sales department?

A. a calculated column that uses the following formula: `IF( ISBLANK(Sales[sales_amount]),0, (Sales[sales_amount]))`

B. a measure that uses the following formula: `SUM(Sales[sales_amount])`

C. a measure that uses the following formula: `SUMX(FILTER('Sales', 'Sales'[sales_amount] > 0)),[sales_amount])`

D. a calculated column that uses the following formula: `ABS(Sales[sales_amount])`

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

Answer: C

NEW QUESTION 149
- (Topic 4)
You have a report in Power Bl named report1 that is based on a shared dataset.
You need to minimize the risk of data exfiltration for report1. The solution must prevent other reports from being affected.
What should you do?

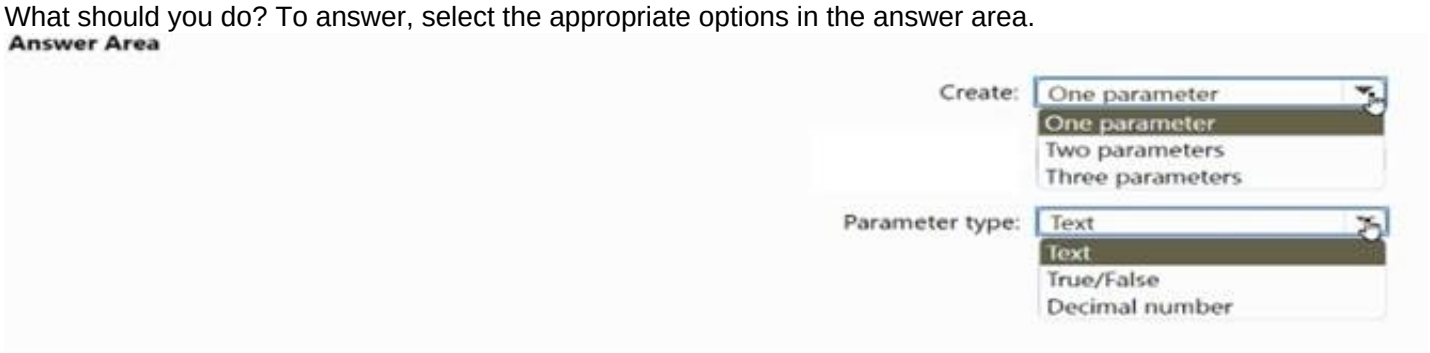
A. Clear Allow recipients to share your dashboard and Allow users to build new content using the underlying datasets for the dataset.
B. Select the Allow end users to export both summarized and underlying data from the service or Report Server Export data option for the report.
C. Select the Don't allow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

Answer: C

NEW QUESTION 152
HOTSPOT - (Topic 4)
You have the Azure SQL databases shown in the following table.

Name	Stage	Server URL
db-powerbi-dev	Development	dev.database.windows.net
db-powerbi-uat	Test	uat.database.windows.net
db-powerbi-prod	Production	prod.database.windows.net

You plan to build a single PBIX file to meet the following requirements:
• Data must be consumed from the database that corresponds to each stage of the development lifecycle.
• Power Bl deployment pipelines must NOT be used.
• The solution must minimize administrative effort.
What should you do? To answer, select the appropriate options in the answer area.



A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 156
- (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: B

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

NEW QUESTION 157
- (Topic 4)
You have an on-premises Power BI Report Server.
You plan to create a report in Power BI Desktop and publish the report to the report server. Which data source should the report use?

A. Microsoft Azure SQL Database
B. a Microsoft SQL Server database
C. a Microsoft SQL Server Analysis Services (SSAS) database
D. Microsoft Excel

Answer: C

Explanation:
References:
https://docs.microsoft.com/en-us/power-bi/report-server/quickstart-create-powerbi-report https://docs.microsoft.com/en-us/power-bi/report-server/connect-data-sources

NEW QUESTION 158
- (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

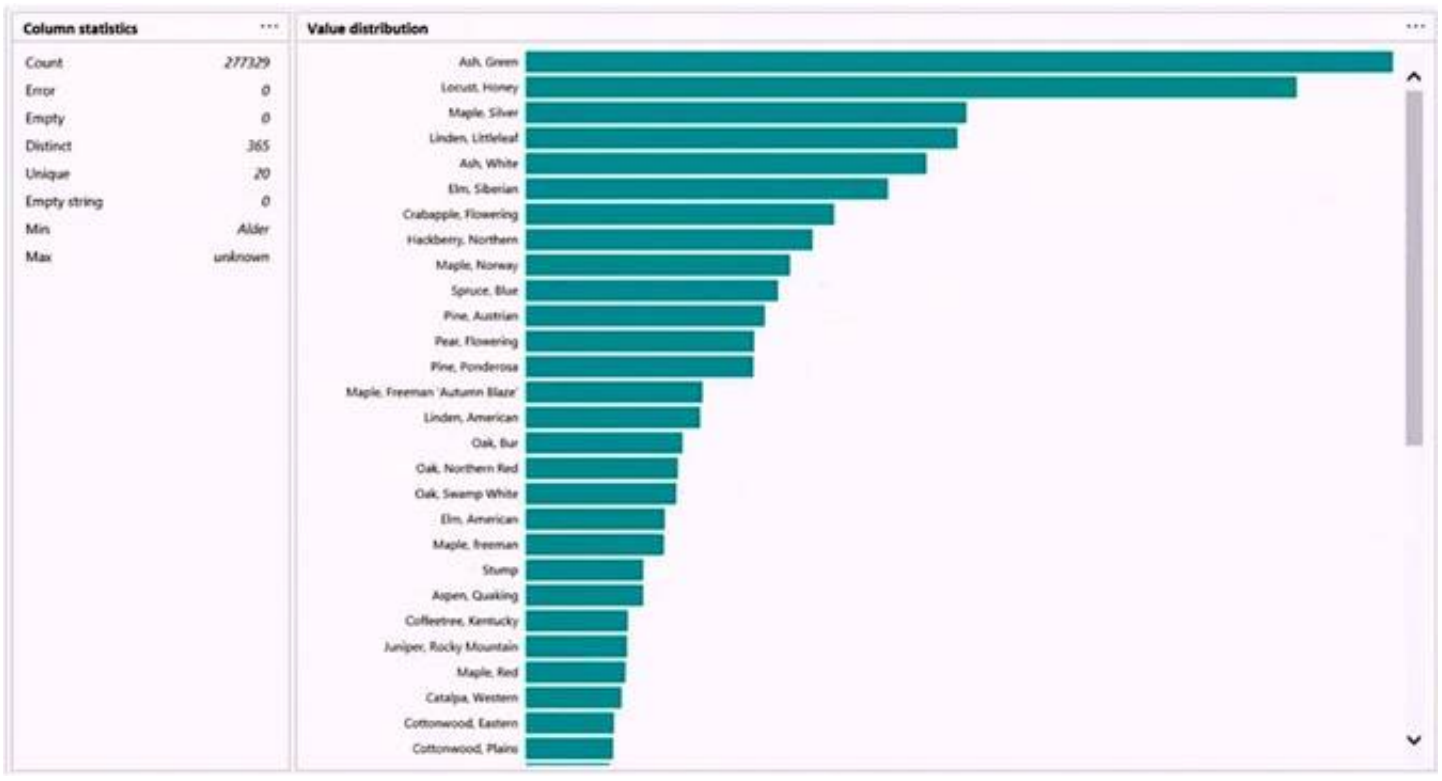
Explanation:
Instead modify the source step of the queries to use DataSourceExcel as the file path.
Note: Parameterising a Data Source could be used in many different use cases. From connecting to different data sources defined in Query Parameters to load different combinations of columns.
Reference:
https://www.biinsight.com/power-bi-desktop-query-parameters-part-1/

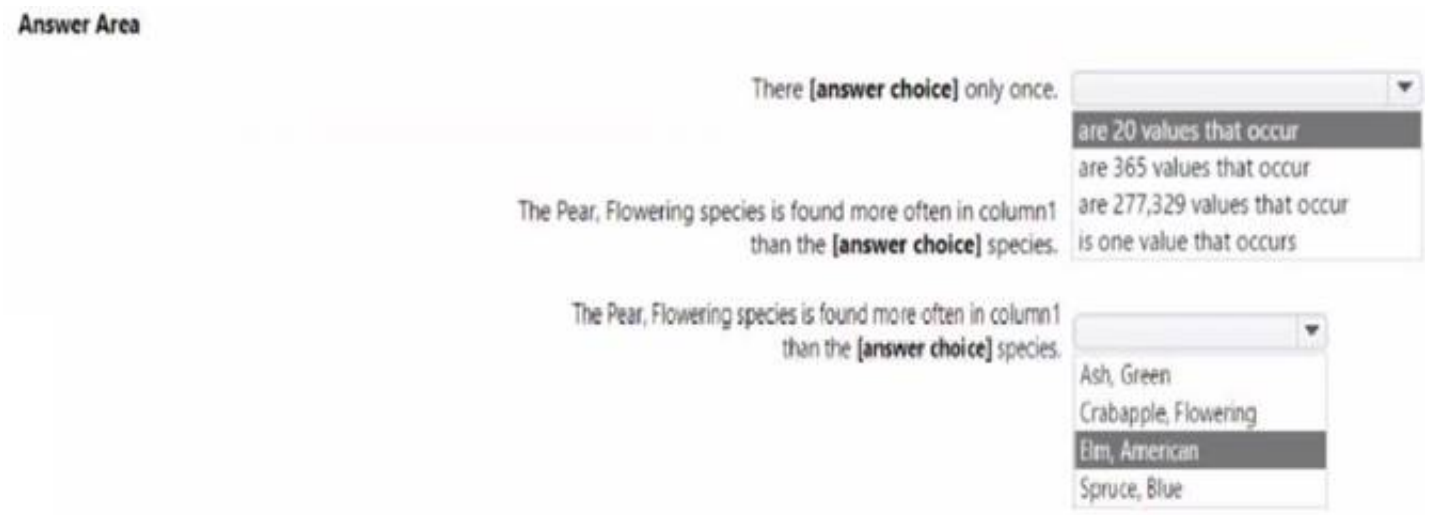
NEW QUESTION 161
- (Topic 4)
From Power 61 Desktop, you publish a new dataset and report lo a Power Bl workspace. The dataset has a row-level security (RLS) role named HR. You need to ensure that the HR team members have RLS applied when they view reports based on the dataset. What should you do?

A. From Power Bl Desktop, change the Row-Level Security settings.
B. From Power Bl Desktop, import a table that contains the HR team members
C. From powerbi.com.add users to the HR role for the dataset.
D. From powerbi.com, share the dataset to the HR team members.

Answer: C

NEW QUESTION 163
HOTSPOT - (Topic 4)
You are profiling data by using Power Query Editor.
You have a table that contains a column named column1. Column statistics and Value distribution for column1 are shown in the following exhibit.

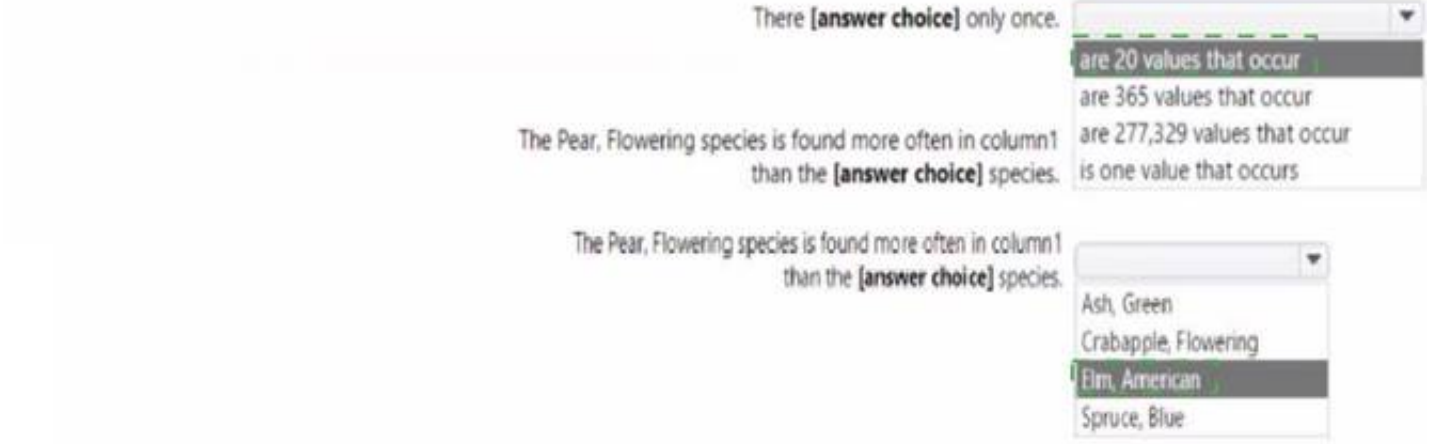




A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 165
- (Topic 4)
You are creating a Power BI report to analyze consumer purchasing patterns from a table named Transactions. The Transactions table contains a numeric field named Spend. You need to include a visual that identifies which fields have the greatest impact on Spend. Which type of visual should you use?

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

Answer: D

NEW QUESTION 166
- (Topic 4)
You have a Power BI report. The report contains visualizations that have interactions. You need to identify which visualizations take the longest to complete. What should you use?

A. SQL Server Profiler
B. Performance Analyzer in Power BI Desktop
C. Query Diagnostics in Power BI
D. Microsoft Edge DevTools

Answer: B

Explanation:
Use Power BI Desktop Performance Analyzer to optimize reports.
In Power BI Desktop you can find out how each of your report elements, such as visuals and DAX formulas, are performing. Using the Performance Analyzer, you can see and record logs that measure how each of your report elements performs when users interact with them, and which aspects of their performance are most (or least) resource intensive.
Reference:
https://docs.microsoft.com/en-us/power-bi/create-reports/desktop-performance-analyzer

NEW QUESTION 170
- (Topic 4)
Note: This question is part of a series of questions that use the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is the same in each question in this series.
You have a Microsoft SQL Server database that contains the following tables.

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

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

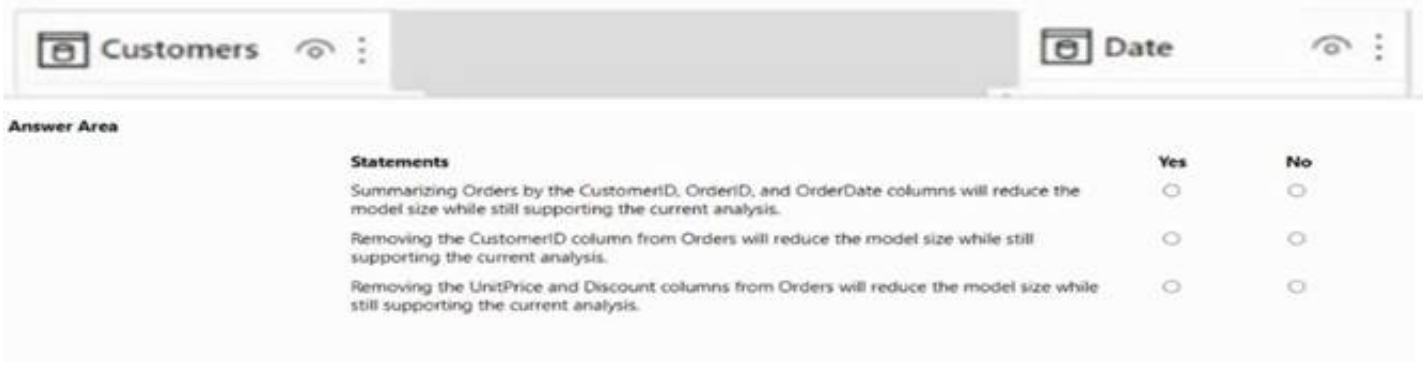
The Store table has a relationship to the Monthly_returns table on the Store_ID column. This is the only relationship between the tables.
You plan to use Power BI Desktop to create an analytics solution for the data.
You need to create a relationship between the Monthly_returns table and Date[Date_ID]. What should you do before you create the relationship?

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

Answer: B

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

NEW QUESTION 175
HOTSPOT - (Topic 4)
You have a Power Bl 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.



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.	○	○
Removing the CustomerID column from Orders will reduce the model size while still supporting the current analysis.	○	○
Removing the UnitPrice and Discount columns from Orders will reduce the model size while still supporting the current analysis.	○	○

NEW QUESTION 177
DRAG DROP - (Topic 4)
You have a Microsoft Power Bl 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: Role; User2: Role

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 181
- (Topic 4)
You have a data model that contains many complex DAX expressions. The expressions contain frequent references to the RELATED and RELATEDTABLE functions.
You need to recommend a solution to minimize the use of the RELATED and RELATEDTABLE functions.
What should you recommend?

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

Answer: A

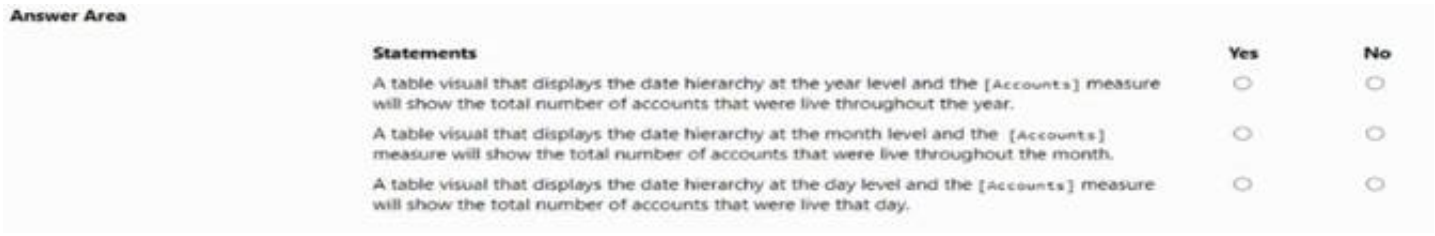
Explanation:
Combining data means connecting to two or more data sources, shaping them as needed, then consolidating them into a useful query.
When you have one or more columns that you'd like to add to another query, you merge the queries.
Note: The RELATEDTABLE function is a shortcut for CALCULATETABLE function with no logical expression.
CALCULATETABLE evaluates a table expression in a modified filter context and returns A
table of values.
Reference:
https://docs.microsoft.com/en-us/power-bi/connect-data/desktop-shape-and-combine-data

NEW QUESTION 184
HOTSPOT - (Topic 4)
You have a Power Bl 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.

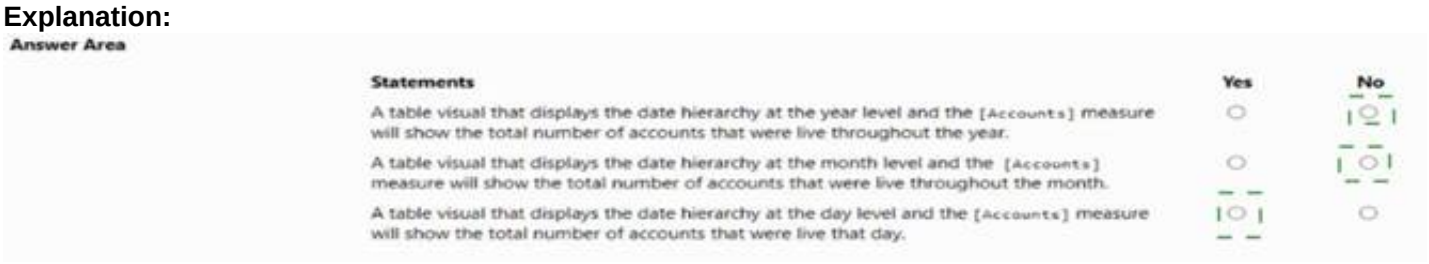
```
Accounts :=
CALCULATE (
```



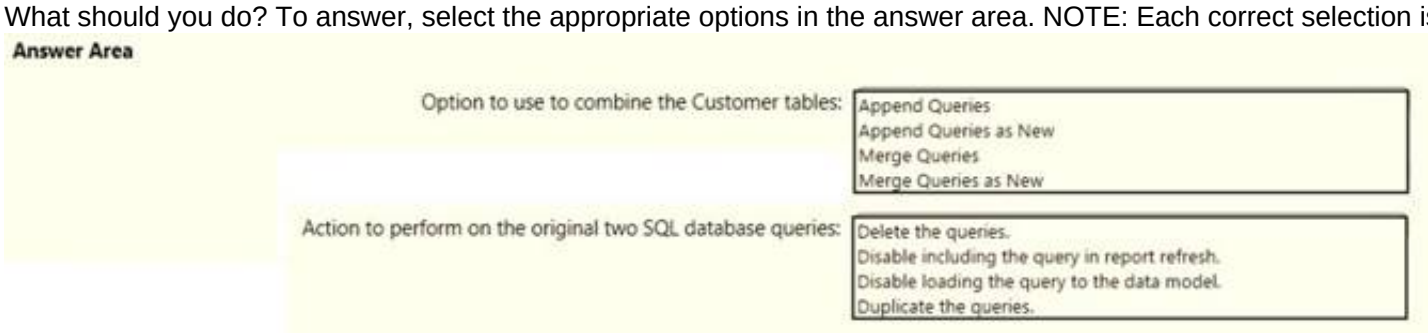
A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 187
HOTSPOT - (Topic 4)
You have two Azure SQL databases that contain the same tables and columns.
For each database, you create a query that retrieves data from a table named Customers. You need to combine the Customer tables into a single table. The solution must minimize
the size of the data model and support scheduled refresh in powerbi.com.
What should you do? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

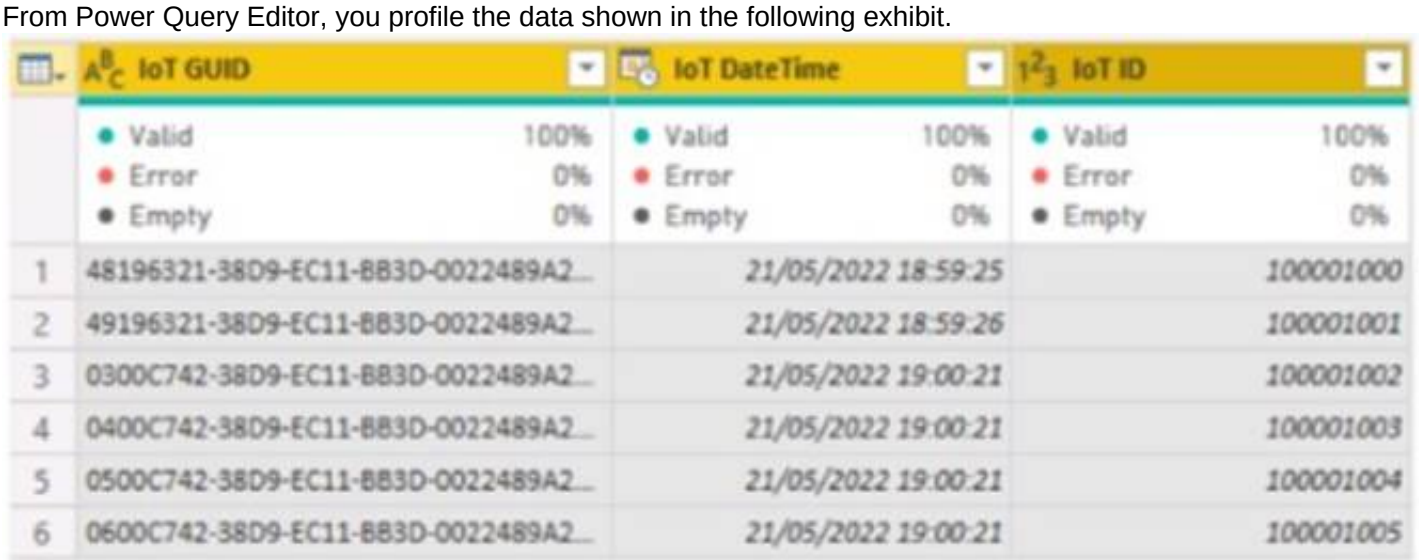


A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text
Description automatically generated with medium confidence
Box 1: Append Queries as New.
There are two primary ways of combining queries: merging and appending.
? When you have one or more columns that you'd like to add to another query, you merge the queries.
? When you have additional rows of data that you'd like to add to an existing query, you append the query.
Box 2: Disable loading the query to the data model
For every query that loads into model memory will be consumed. and Memory is our asset in the Model, less memory consumption leads to better performance in most of the cases. The best approach is to disable loading.

NEW QUESTION 192
- (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.



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 loT GUID column and retain the loT ID column. Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 193
- (Topic 4)
You have a Microsoft Excel file in a Microsoft OneDrive folder. The file must be imported to a Power Bi dataset
You need to ensure that the dataset can be refreshed in powefbi.com.
Which two connectors can you use to connect to the file? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. Text/CSV
B. Folder
C. Excel Workbook
D. SharePoint folder
E. Web

Answer: BC

Explanation:
- Copy and edit Path of the Excel file then use "Web" Connector: Option E
- Copy and edit Path of the OneDrive folder then use "Sharepoint Folder" connector: Option D
Source: https://www.youtube.com/watch?v=GGHbbg6yi-A

NEW QUESTION 196
- (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 199
- (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 202
- (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 Bl 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 207
DRAG DROP - (Topic 4)
You are modifying a Power Bi model by using Power Bl Desktop.
You have a table named Sales that contains the following fields.

Name	Data type
Transaction ID	Whole Number
Customer Key	Whole Number
Sales Date Key	Date
Sales Amount	Whole Number

You have a table named Transaction Size that contains the following data.

Transaction Size ID	Transaction Size	Min	Max
1	Small	0	10,000
2	Medium	10,001	100,000
3	Large	100,001	999,999,999

You need to create a calculated column to classify each transaction as small, medium, or large based on the value in Sales Amount.
How should you complete the code? 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

ALL
AND
CALCULATE
FILTER
OR
SUM

Answer Area

```
Transaction Size =
VAR SalesTotal = 'Sales'[Sales]
VAR FilterSegment =
      Value (
            'Transaction Size',
            Value (
                  'Transaction Size'[Min] <= SalesTotal,
                  'Transaction Size'[Max] >= SalesTotal
            )
      )
VAR Result =
      Value ( DISTINCT ( 'Transaction Size'[Transaction Size] ), FilterSegment )
RETURN
      Result
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:
FILTER | AND | CALCULATE

NEW QUESTION 210
- (Topic 4)
You have a Power BI data model that contains a table named Employees. The table has the following columns:
• Employee Name
• Email Address
• Start Date
• Job Title
You are implementing dynamic row-level security (RLS).
You need to create a table filter to meet the following requirements:
• Users must see only their own employee data
• The DAX expression must work in both Power 81 Desktop and the Power BI service.
Which expression should you use?

A. `[Email Address] = USERNAME()`

B. `[Employee Name] = USERPRINCIPALNAME()`

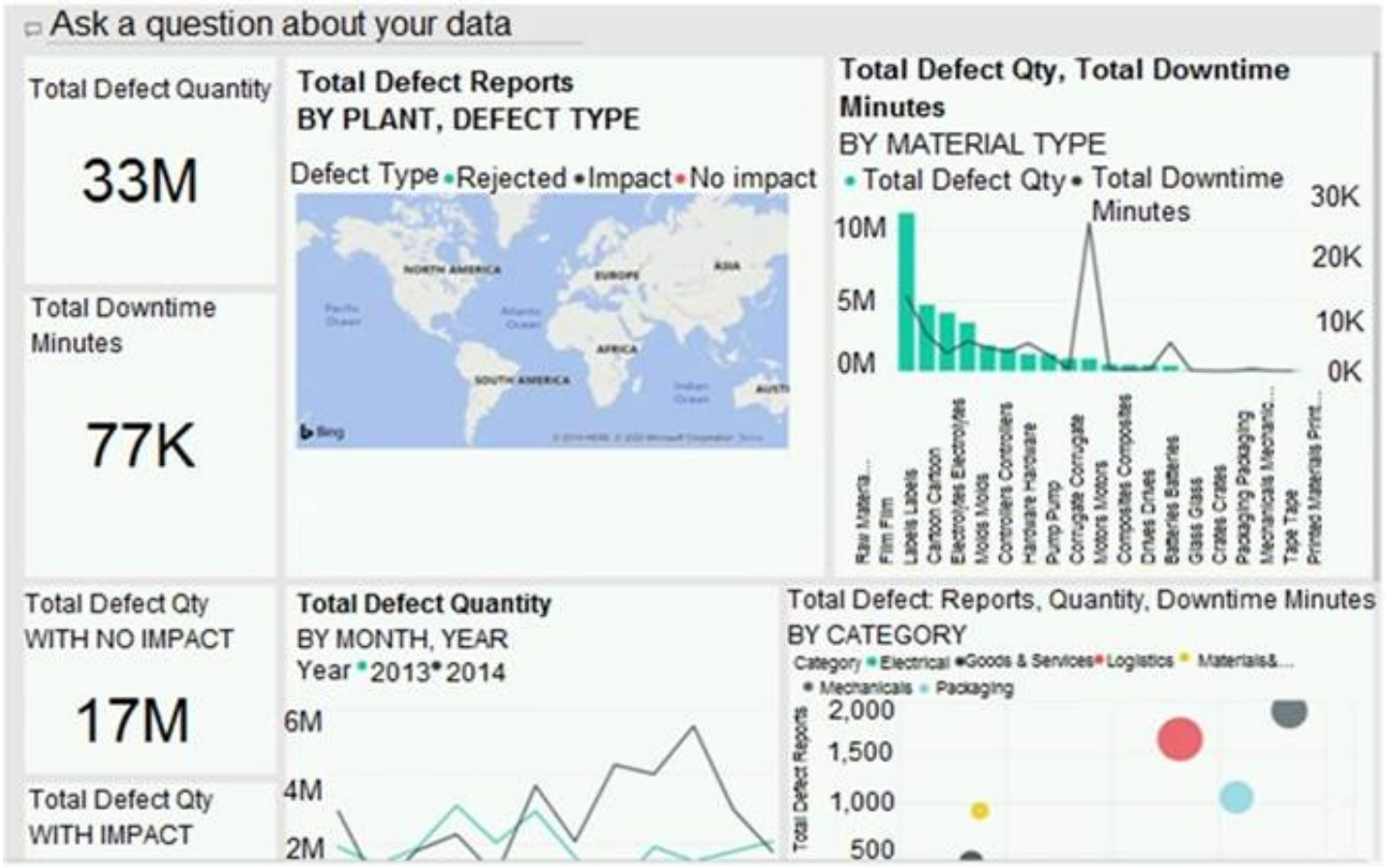
C. `[Email Address] = USERPRINCIPALNAME()`

D. `[Employee Name] = USERNAME()`

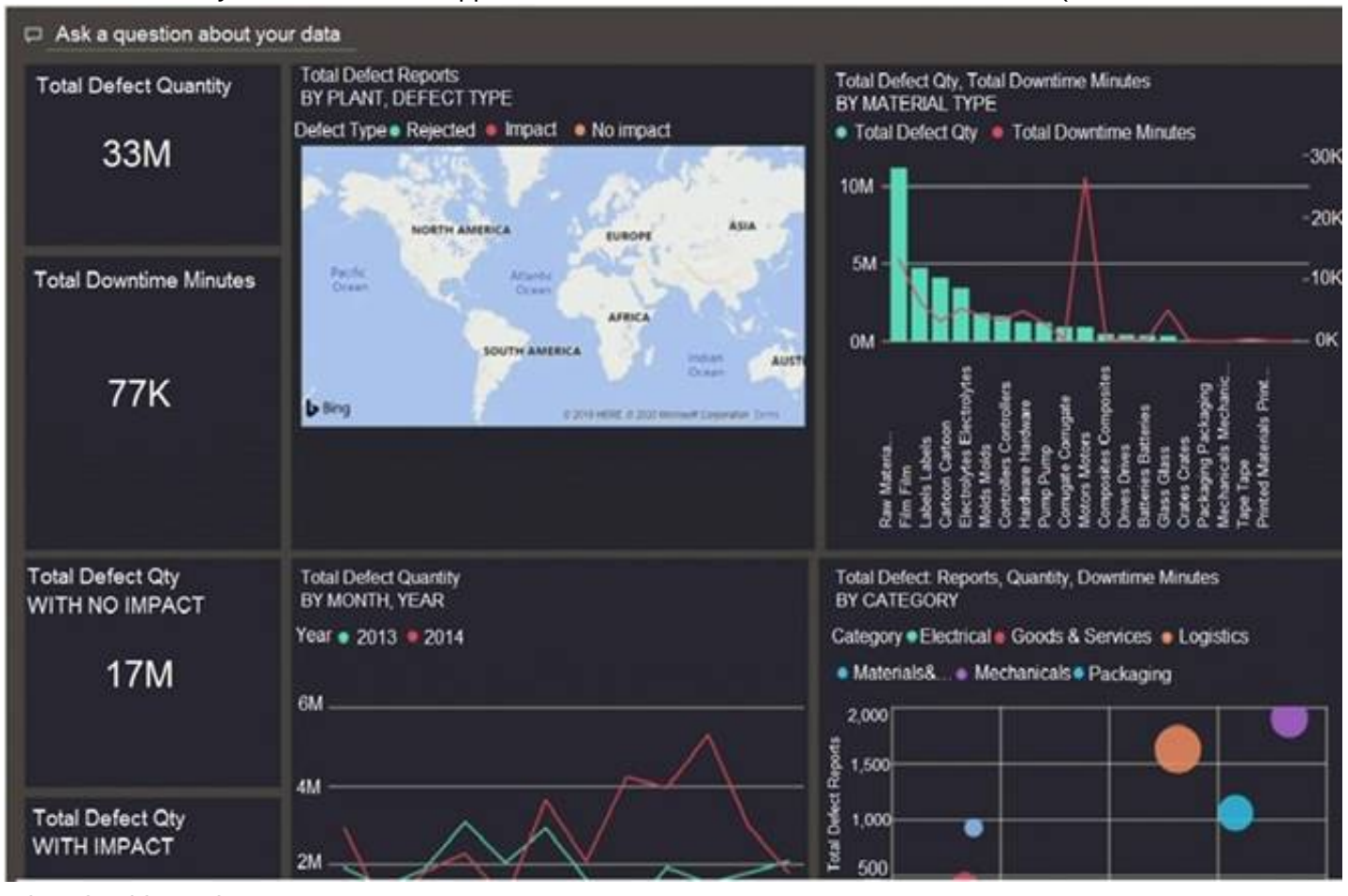
A. Option A
B. Option B
C. Option C
D. Option D

Answer: B

NEW QUESTION 214
- (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-work

NEW QUESTION 215
- (Topic 4)
You are creating a dashboard by using the Power Bl service. You have an existing report page that contains three charts.
You need to add the charts to the dashboard while maintaining the interactivity between the charts.
What should you do?

A. Pin each chart as a tile.
B. Edit interactions in the report and set all interactions to Filter
C. Edit the dashboard theme and pin each chart as a file.
D. Pin the report page as a live tile.

Answer: D

NEW QUESTION 217
- (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 221
- (Topic 4)
You have a Power Bi report. The report contains a visual that snows gross sales by date The visual has anomaly detection enabled.
No anomalies ate 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 weft
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 224
- (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

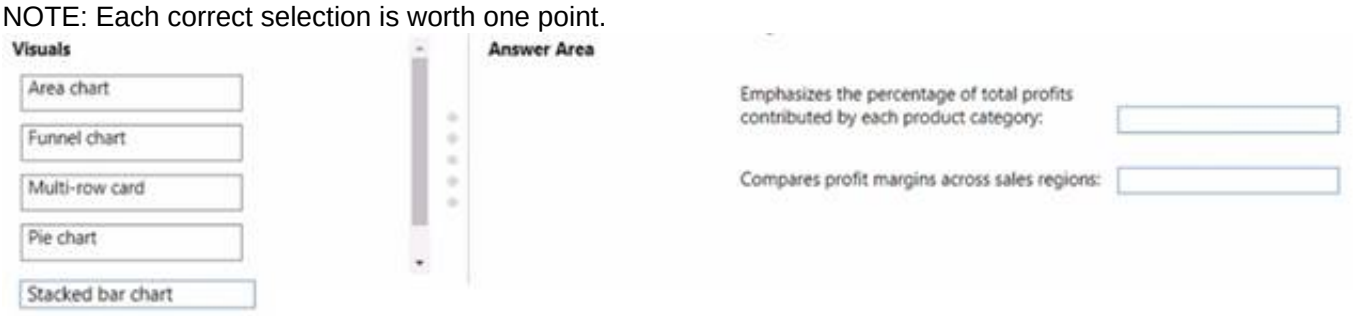
NEW QUESTION 228
- (Topic 4)
You create a report by using Microsoft Power BI Desktop.
The report uses data from a Microsoft SQL Server Analysis Services (SSAS) cube located on your company's internal network.
You plan to publish the report to the Power BI Service.
What should you implement ta ensure that users who consume the report from the Power BI Service have the most up-to-date data from the cube?

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

Answer: D

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

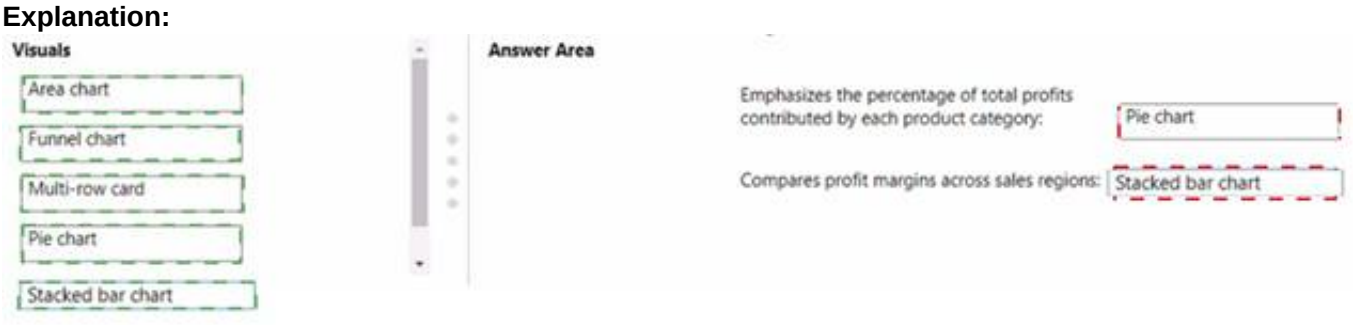
NEW QUESTION 233
DRAG DROP - (Topic 4)
You plan to use Power BI to create a quarterly profit report that meets the following requirements:
• Emphasizes the percentage of total profits contributed by each product category in dollars and as a percentage
• Compares profit margins across sales regions
Which type of visual should you use for each requirement? To answer, drag the appropriate visuals to the correct requirements. Each visual 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.



A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 236
- (Topic 4)
You use Power 81 Desktop to load data from a Microsoft SQL Server database. While waiting for the data to load, you receive the following error.

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

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

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

Answer: BD

NEW QUESTION 237
- (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

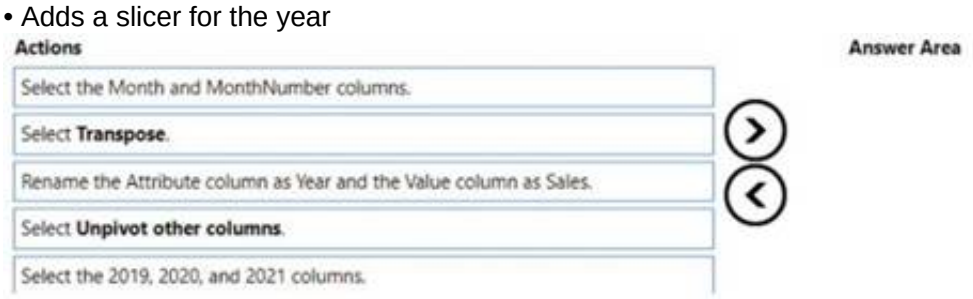
Answer: C

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

NEW QUESTION 239
DRAG DROP - (Topic 4)
You receive annual sales data that must be included in Power Bl reports.
From Power Query Editor, you connect to the Microsoft Excel source shown in the following exhibit.

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

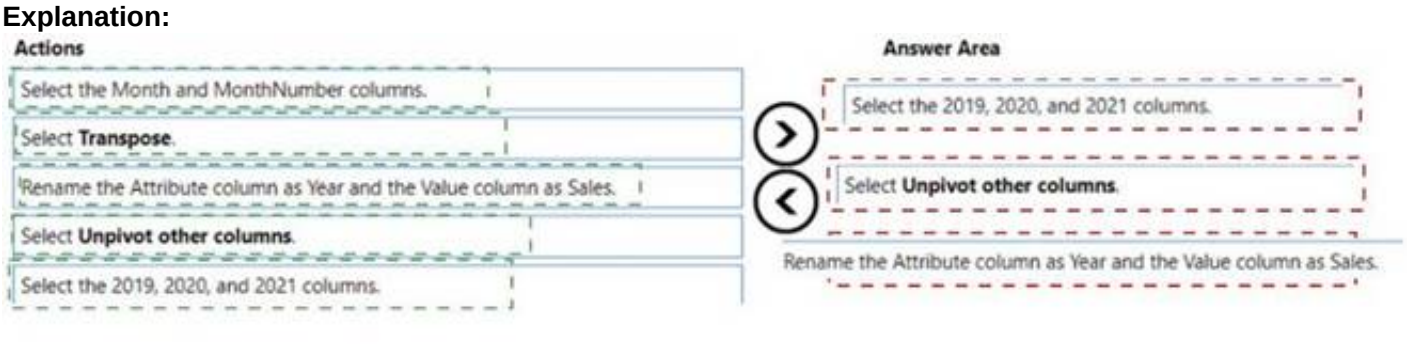
You need to create a report that meets the following requirements:
• Visualizes the Sales value over a period of years and months
• Adds a slicer for the month
• Adds a slicer for the year



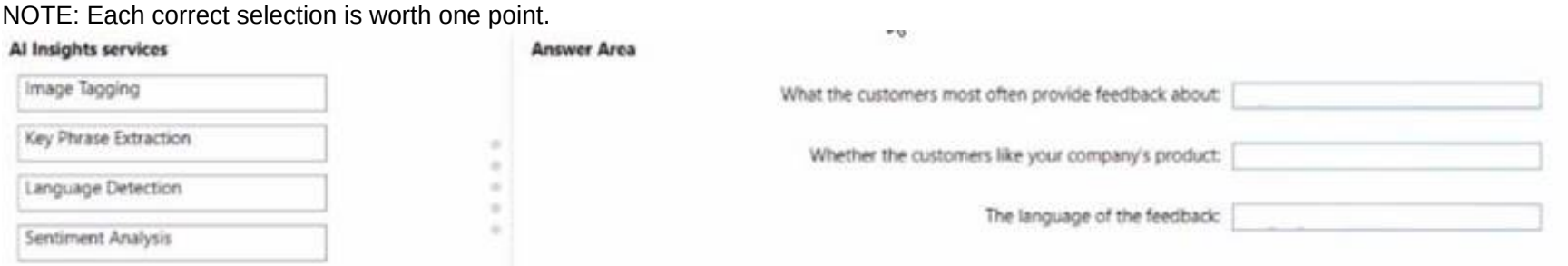
A. Mastered
B. Not Mastered

Answer: A

Explanation:



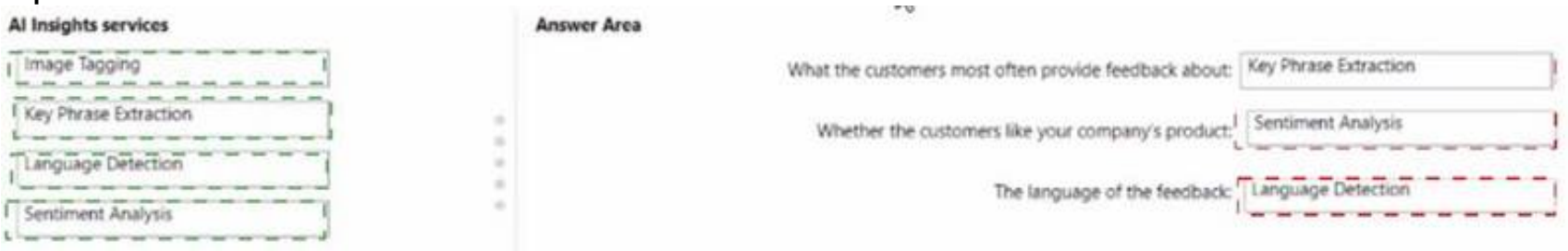
NEW QUESTION 241
DRAG DROP - (Topic 4)
You use Power Query Editor to preview customer feedback data.
You need to use Al Insights to add a column of enhanced data based on the customer feedback. The solution must identify the following:
• What the customers most often provide feedback about
• Whether the customers like your company's product
• The language of the feedback
Which Al Insights service should you use for each output? To answer, drag the appropriate services to the correct outputs. Each service 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.



A. Mastered
B. Not Mastered

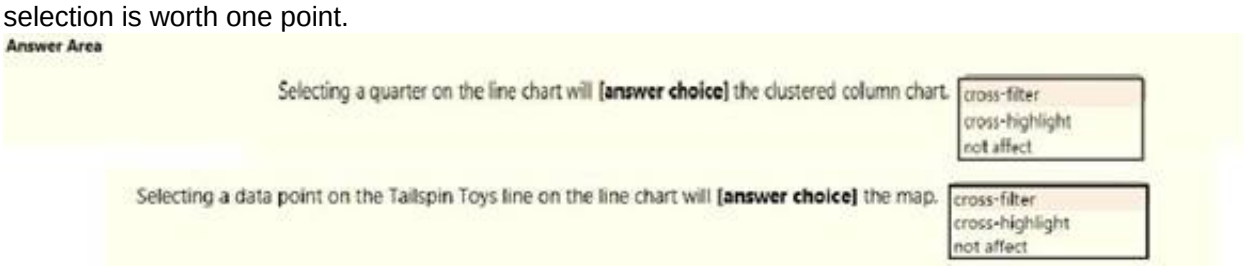
Answer: A

Explanation:



NEW QUESTION 245
HOTSPOT - (Topic 4)
You have a report page that contains the visuals shown in the following exhibit.

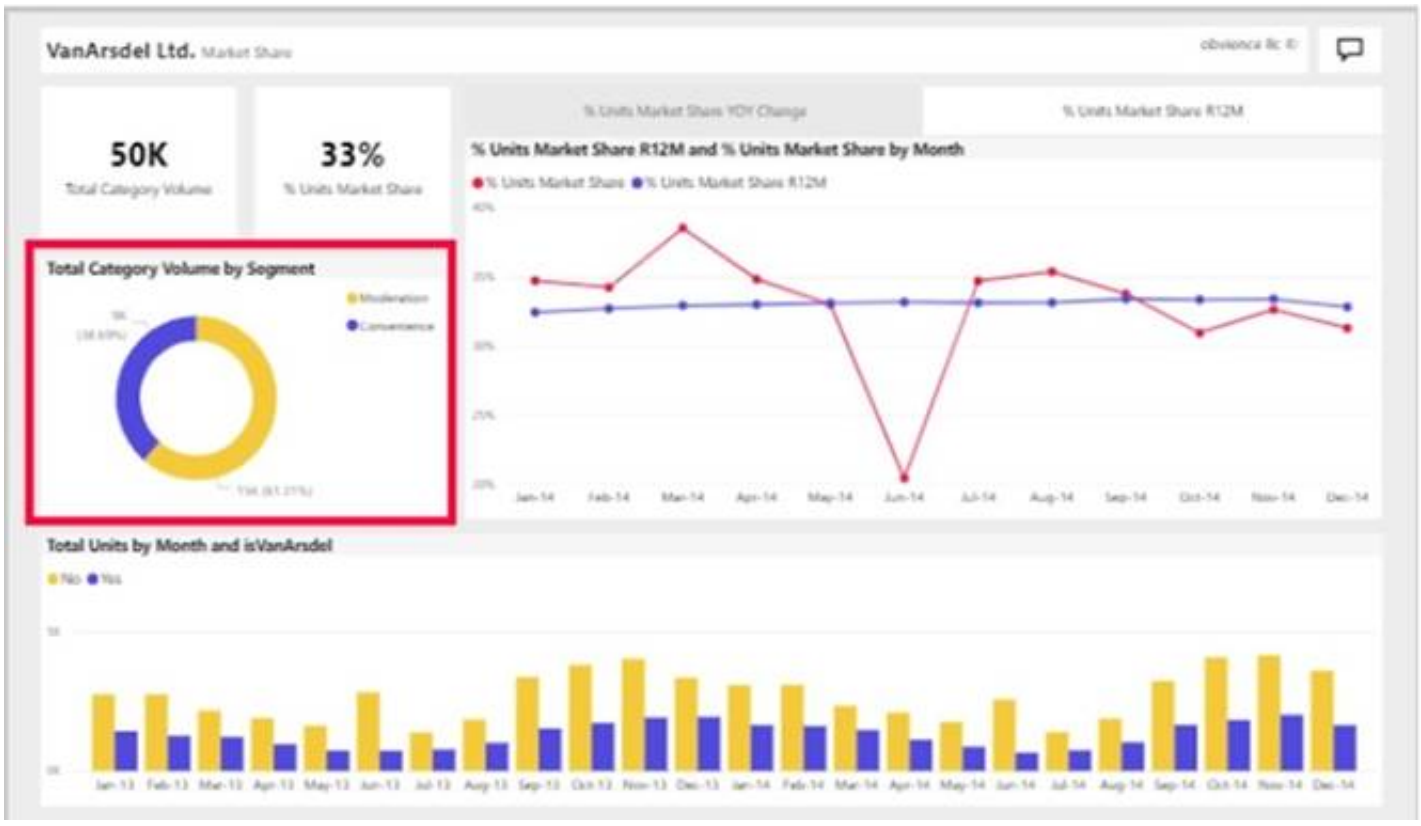
Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic. NOTE: Each correct selection is worth one point.



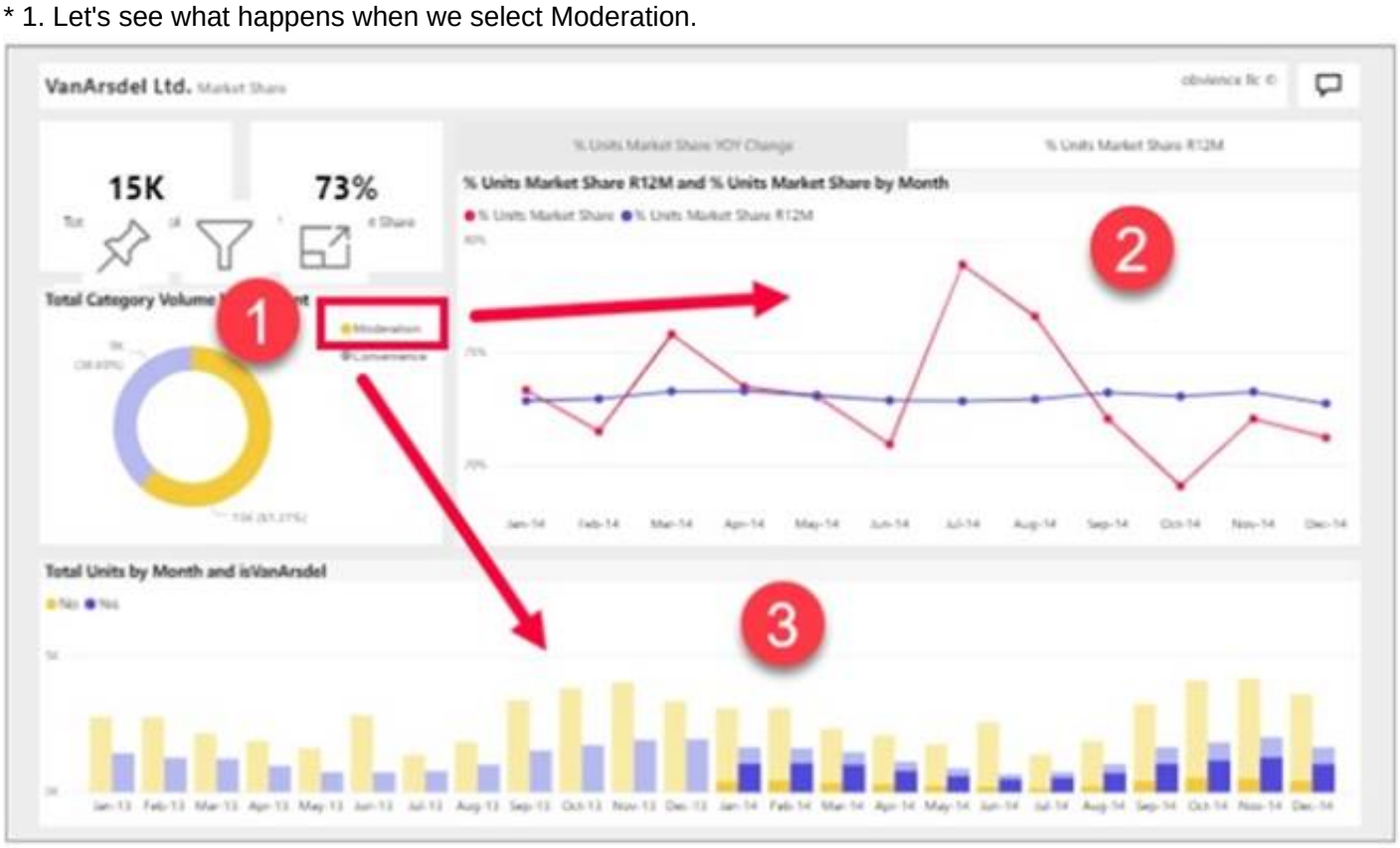
A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: cross-filter
By default, selecting a data point in one visual on a report page will cross-filter or cross- highlight the other visuals on the page.
Box 2: cross-highlight Example:
By default, selecting a data point in one visual on a report page will cross-filter or cross-
highlight the other visuals on the page.



* 1. Let's see what happens when we select Moderation.



* 2. Cross-filtering removes data that doesn't apply. Selecting Moderation in the doughnut chart cross-filters the line chart. The line chart now only displays data points for the Moderation segment.
* 3. Cross-highlighting retains all the original data points but dims the portion that does not apply to your selection. Selecting Moderation in the doughnut chart cross-highlights the column chart. The column chart dims all the data that applies to the Convenience segment and highlights all the data that applies to the Moderation segment.

NEW QUESTION 246
- (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 248
- (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 Datetable.
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 253
- (Topic 4)
You have a Power BI report named Report' and a dashboard named Dashboard'. 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 Dashboard', 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 Dashboar1.
D. Pin the Sales by month bar chart to Dashboard1.

Answer: A

NEW QUESTION 257
- (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 261
- (Topic 4)
You open a query in Power Query Editor.
You need to identify the percentage of empty values in each column as quickly as possible. Which Data Preview option should you select?

A. Show whitespace
B. Column profile
C. Column distribution
D. Column quality

Answer: D

Explanation:
Column quality: In this section, we can easily see valid, Error and Empty percentage of data values associated with the Selected table.
Note: In Power Query Editor, Under View tab in Data Preview Section we can see the following data profiling functionalities:
? Column quality
? Column distribution
? Column profile
Reference:
https://community.powerbi.com/t5/Community-Blog/Data-Profiling-in-Power-BI-Power-BI-Update-April-2019/ba-p/674555

NEW QUESTION 266
DRAG DROP - (Topic 4)
You use Power Query Editor to preview the data shown in the following exhibit

	SKU	price	discount
	11 distinct, 11 unique	9 distinct, 7 unique	
1	P00001	100	0.08
2	P00002	150	0.03
3	P00003	130	Error
4	P00004	200	0.06
5	P00005	80	Error
6	P00006	350	Error
7	P00007	100	Error
8	P00008	200	0.05
9	P00009	135	Error
10	P00010	90	Error
11	P00011	120	Error

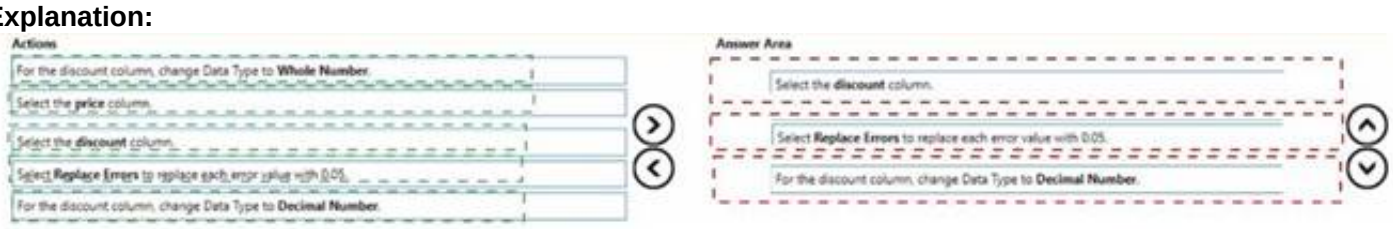
You need to clean and transform the query so that all the rows of data are maintained, and error values in the discount column are replaced with a discount of 0.05. The solution must minimize administrative effort.

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.

A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 271
- (Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You have a query for a table named Sales. Sales has a column named CustomerID. The Data Type of CustomerID is Whole Number.
You refresh the data and find several errors. You discover that new entries in the Sales table contain nonnumeric values.
You need to ensure that nonnumeric values in the CustomerID column are set to 0. Solution: From Query Editor, select the CustomerID column and click Remove Errors. Does this meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 273
- (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. scarterplot
B. bar chart
C. piechart

Answer: B

NEW QUESTION 275
- (Topic 4)
You have a Rawer Bl report That imports a dace table and a sales table from an Azure SQL database data source. The sales table has the following date foreign keys:
• Due Date

• Order Date
• Delivery Date
You need to support the analysis of sales over time based on all three dates at the same time.
Solution: From the Fields pane, you rename the date table as Due Date. You use a DAX expression to create Order Date and Delivery Date as calculated tables. You create active relationships between the sales table and each date table.
Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 278
- (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 AppSource 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. Change any DAX measures to use iterator functions.
B. Replace the default visuals with AppSource visuals.
C. Change the imported dataset to DirectQuery.
D. Remove unused columns from tables in the data model.

Answer: D

Explanation:
DirectQuery: No data is imported or copied into Power BI Desktop.
Import: The selected tables and columns are imported into Power BI Desktop. As you create or interact with a visualization, Power BI Desktop uses the imported data.
Benefits of using DirectQuery
There are a few benefits to using DirectQuery:
? DirectQuery lets you build visualizations over very large datasets, where it would otherwise be unfeasible to first import all the data with pre-aggregation.
? Underlying data changes can require a refresh of data. For some reports, the need to display current data can require large data transfers, making reimporting data unfeasible. By contrast, DirectQuery reports always use current data.
The 1-GB dataset limitation doesn't apply to DirectQuery. Reference:
https://docs.microsoft.com/en-us/power-bi/connect-data/desktop-use-directquery

NEW QUESTION 279
- (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 developmentworkspac
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 282
- (Topic 4)
Remove unused columns from tables in the data model. This will reduce the size of your PBIX file and make your data model more efficient. You can use Power Query Editor to remove any columns that are not used in your report or calculations.

Month	2020	2021
Valid 100% / Error 0% / Empty 0%	Valid 100% / Error 0% / Empty 0%	Valid 100% / Error 0% / Empty 0%
12 distinct, 12 unique	12 distinct, 12 unique	12 distinct, 12 unique
January	4400	4908
February	2988	3722
March	5230	4815
April	4500	5031
May	3850	4354
June	6215	6019
July	2507	3922
August	3605	3740
September	4680	4850
October	3955	4612
November	6510	6480

You need to shape the query to display the following three columns:
* Month
* Sales
* Year
'What should you select in Power Query Editor?

A. Pivot column
B. Merge columns
C. Unpivot columns.
D. Transpose

Answer: C

Explanation:
This will convert your column headers (Jan-20, Feb-20,…) into row values under a new column called Attribute. You can then rename this column as Month and change its data type to Date. You will also have a new column called Value that contains the sales amounts for each month. You can rename this column as Sales and change its data type to Decimal Number.

NEW QUESTION 285
- (Topic 4)
You have a CSV file that contains user complaints. The file contains a column named Logged. Logged contains the date and time each complaint occurred. The data in Logged is in the following format: 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. Apply a transformation to extract the last 11 characters of the Logged column and set the data type of the new column to Date.
B. Change the data type of the Logged column to Date.
C. Split the Logged column by using at as the delimiter.
D. Apply a transformation to extract the first 11 characters of the Logged column.

Answer: C

Explanation:
Simply create a custom table in Power Query, enter the date shown in the question into a column called Date, and then Split it by a delimiter. No need for spaces on either side of "at" Power BI takes care of the rest:
= Table.SplitColumn(#"Changed Type", "Date", Splitter.SplitTextByDelimiter("at", QuoteStyle.Csv), {"Date.1", "Date.2"})
It will even automatically change the type to Date:
= Table.TransformColumnTypes(#"Split Column by Delimiter",{{"Date.1", type date},
{"Date.2", type time}})

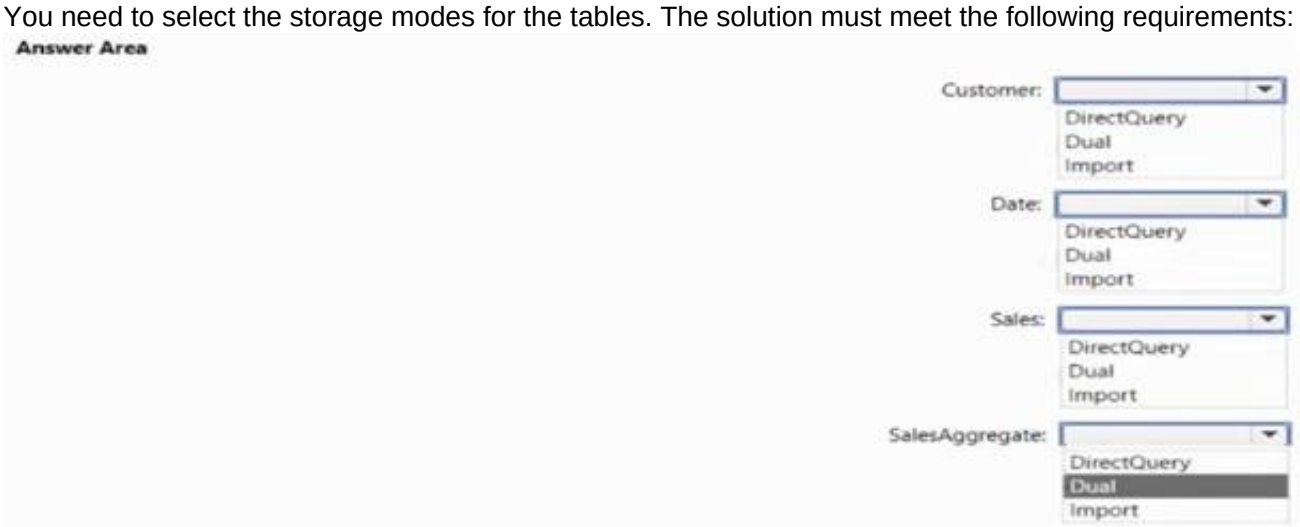
NEW QUESTION 289
DRAG DROP - (Topic 4)
You have a Power Bl workspace that contains a single-page report named Sales.
You need to add all the visuals from Sales to a dashboard. The solution must ensure that additional visuals added to the page are added automatically to the dashboard.
Which three actions 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.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Open powerbi.com Select sales report
Pin the page

NEW QUESTION 292
HOTSPOT - (Topic 4)
You plan to create the Power BI model shown in the exhibit. (Click the Exhibit tab.) The data has the following refresh requirements:
• Customer must be refreshed daily.
• Date must be refreshed once every three years.
• Sales must be refreshed in near real time.
• SalesAggregate must be refreshed once per week.
You need to select the storage modes for the tables. The solution must meet the following requirements:



A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 293
HOTSPOT - (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]),
            [CALCULATE / CALCULATETABLE / DATEADD / DIVIDE / FILTER / FIND]('financials'[Date].[Date], -1, QUARTER)
    )
RETURN
    [CALCULATE / CALCULATETABLE / DATEADD / DIVIDE / FILTER / FIND](SUM('financials' [Sales]) - PREV_QUARTER, PREV_QUARTER)
)
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:
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
)
)

NEW QUESTION 294
HOTSPOT - (Topic 4)
You have the Power BI data model shown in the following exhibit.

Select the appropriate yes or no.

Statements	Yes	No
Removing the LastUpdated column from the Sales table reduces the model size while still supporting the required analysis.	○	○
Removing the ProductID column from the Sales table reduces the model size while still supporting the required analysis.	○	○
Removing the ShipDate column from the Sales table reduces the model size while still	○	○

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.	○	○
Removing the ProductID column from the Sales table reduces the model size while still supporting the required analysis.	○	○
Removing the ShipDate column from the Sales table reduces the model size while still	○	○

NEW QUESTION 296
- (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. comments
B. tiles
C. Microsoft Information Protection sensitivity labels
D. Active Directory groups

Answer: C

Explanation:
Microsoft Information Protection sensitivity labels provide a simple way for your users to classify critical content in Power BI without compromising productivity or the ability to collaborate. Sensitivity labels can be applied to datasets, reports, dashboards, and dataflows. Reference:
https://docs.microsoft.com/en-us/power-bi/admin/service-security-sensitivity-label-overview

NEW QUESTION 297
- (Topic 4)
You have a dataset that is used infrequently and refreshes every hour. You receive a notification that the refresh was disabled due to inactivity.
Which two actions will cause the scheduled refresh schedule to resume? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. Enable query caching for the dataset.
B. Import the dataset to Microsoft Excel.
C. From the Power BI service, open a dashboard that uses the dataset.
D. From the Power BI service, open a report that uses the dataset.
E. From PowerShell, run the get-powerbireport cmdlet.

Answer: CD

Explanation:
After two months of inactivity, scheduled refresh on your dataset is paused. A dataset is considered inactive when no user has visited any dashboard or report built on the dataset. At that time, the dataset owner is sent an email indicating the scheduled refresh is paused. The refresh schedule for the dataset is then displayed as disabled. To resume scheduled refresh, simply revisit any dashboard or report built on the dataset. https://learn.microsoft.com/en-us/power-bi/connect-data/refresh-scheduled-refresh#scheduled-refresh

NEW QUESTION 300
- (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 Bl. 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 301
- (Topic 4)
In Power BI Desktop, you have a dataset that contains a table.
You create a table visual on a Power BI report page as shown in the following exhibit

Plant Name	Plant Image
Pothos	https://raw.githubusercontent.com/ml
Spider plant	https://raw.githubusercontent.com/ml
philodendron	https://raw.githubusercontent.com/ml
ZZ plant	https://raw.githubusercontent.com/ml

You need to configure the visual to display the referenced image instead of the URL in the Plant Image column.
What should you do?

A. Set the Data category of the Plant Image field to Image URL
B. Set the Data type of the Plant Image field to Binary.
C. Set the Data category of the Plant Image field to Web URL.
D. From the Formatting ta
E. select Values, and then set URL icons to On for the table.

Answer: A

NEW QUESTION 306
- (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]), SAMEPERIODLASTYEAR(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 311
- (Topic 4)
You have a Power Bl workspace named Workspace1 that contains a dataset named DS1 and a report named RPT1.
A user wants to create a report by using the data In DS1 and publish the report to another workspace.
You need to provide the user with the appropriate access. The solution must minimize the number of access permissions granted to the user.
What should you do?

A. Share RPT1 with the user.
B. Add the user as a Viewer of Workspace1.
C. Add the user as a member of Workspace1.
D. Grant the Build permission for DS1 to the user.

Answer: D

Explanation:
Microsoft says: To copy a report to another workspace, and to create a report in another workspace based on a dataset in the current workspace, you need Build permission for the dataset. For datasets in the original workspace, if you have at least the Contributor role, you automatically have Build permission through your workspace role. https://learn.microsoft.com/en-us/power-bi/collaborate-share/service-roles-new-workspaces

NEW QUESTION 313
- (Topic 4)
You are building a Power Bl report that uses data from an Azure SQL database named erp1.
You Import the following tables.

Name	Description
Products	Contains the product catalog
Orders	Contains high-level information about orders
Order Line Items	Contains the product ID, quantity, and price details of an order

You need to perform the following analyses:
• Orders sold over time that include a measure of the total order value
• Orders by attributes of products sold
The solution must minimize update times when interacting with visuals in the report. What should you do first?

A. From Power Query, merge the Orders query and the Order Line Hems query.
B. Calculate the count of orders per product by using a DAX function.
C. Create a calculated column that adds a list of product categories to the Orders table by using a DAX function.
D. From Power Query, merge the Order Line Items query and the Products query.

Answer: D

Explanation:
https://www.sqlbi.com/articles/header-detail-vs-star-schema-models-in- tabular-and-power-bi/

NEW QUESTION 315
- (Topic 4)
You have a Microsoft SharePoint Online site that contains several document libraries.
One of the document libraries contains manufactunng reports saved as Microsoft Excel files. All the manufacturing reports have the same data structure.
You need to use Power Bl Desktop to load only the manufacturing reports to a table for analysis.
What should you do?

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

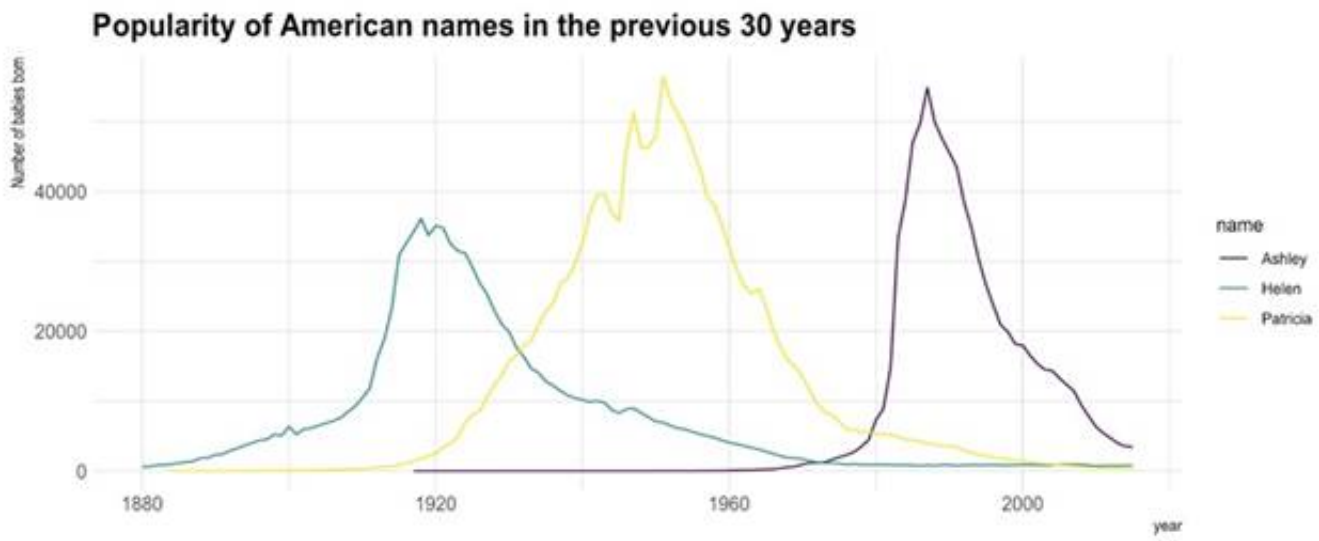
Answer: A

NEW QUESTION 317
- (Topic 4)
You need to create a visualization that compares revenue and cost over time. Which type of visualization should you use?

A. stacked area chart
B. donut chart
C. line chart
D. waterfall chart

Answer: C

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



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

NEW QUESTION 318
- (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 323
- (Topic 4)
You build a Power Bi report that displays loT 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

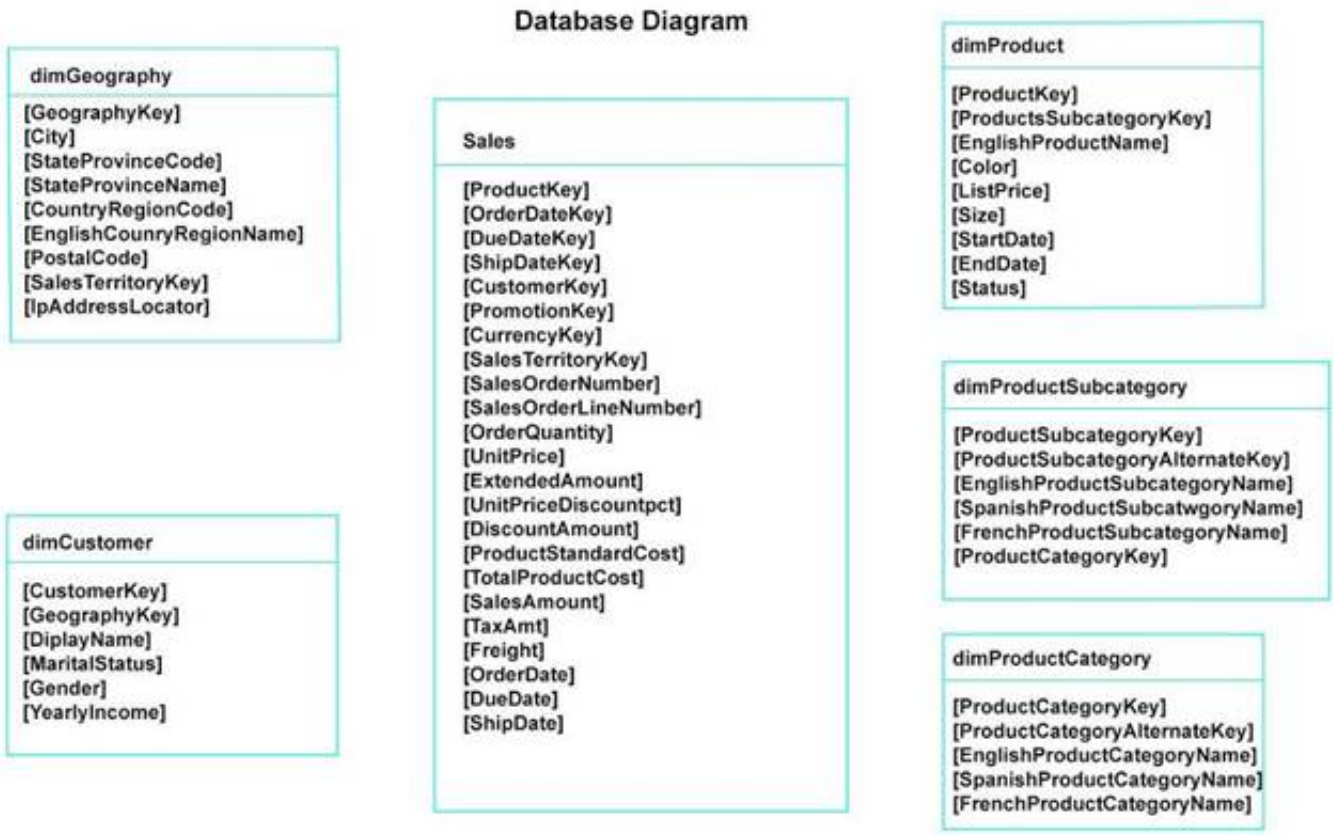
NEW QUESTION 325
- (Topic 4)
You use an R visual to produce a map of 500,000 customers. You include the values of CustomerID, Latitude, and Longitude in the fields sent to the visual. Each customer ID is unique.
In powerbi.com, when users load the visual, they only see some of the customers. What is 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.

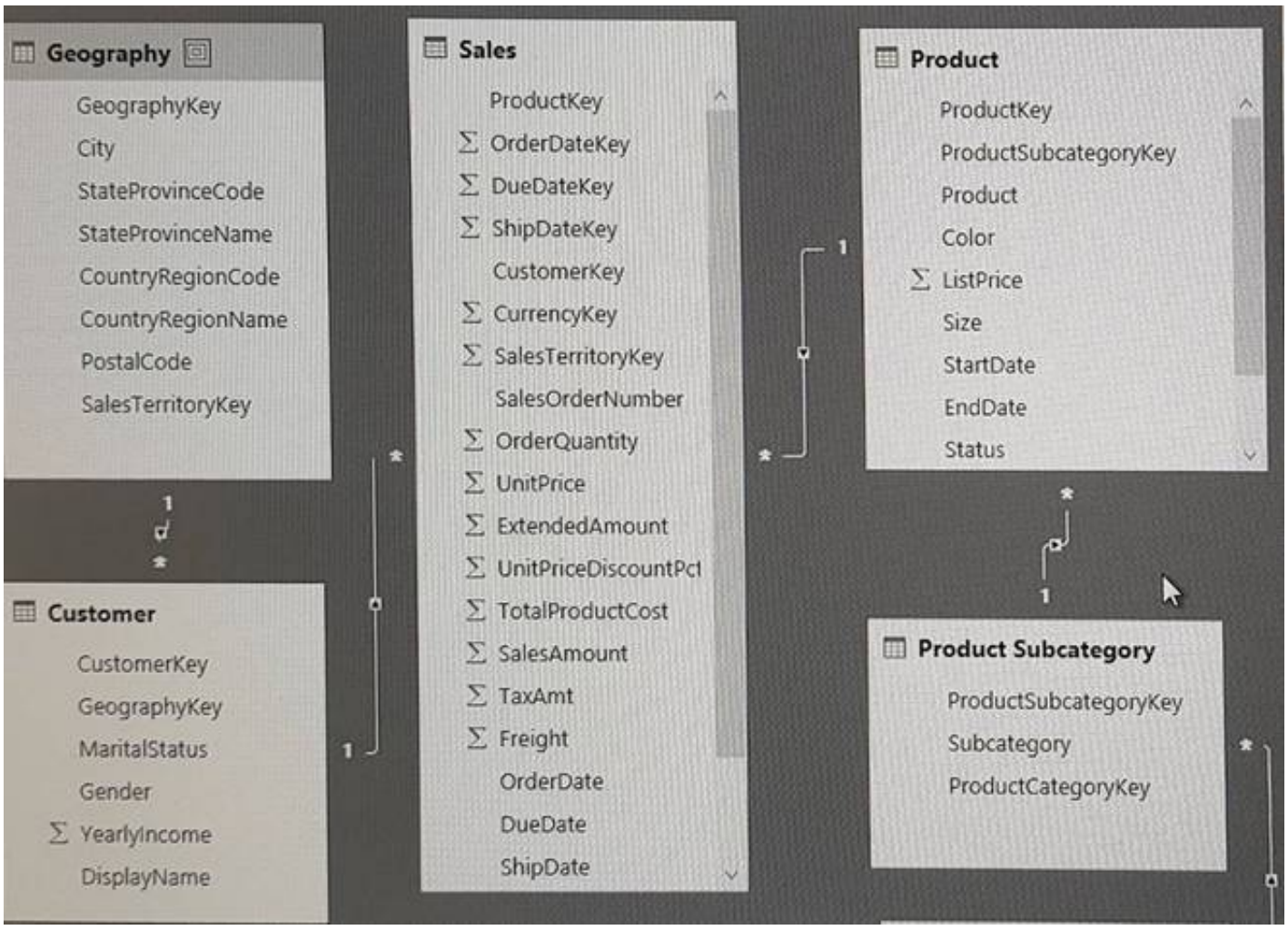
Answer: D

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 327
- (Topic 4)
Note: This question is a part of a series of questions that present the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is exactly the same in each question in this series.
Start of repeated scenario
You have a Microsoft SQL Server database that has the tables shown in the Database Diagram exhibit. (Click the Exhibit.)



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



You plan to use Power BI to import data from 2013 to 2015. Product Subcategory [Subcategory] contains NULL values. End of repeated scenario.
You implement the Power BI model.
You add another table named Territory to the model. A sample of the data is shown in the following table.

Territory Key	Territory Name
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 328
- (Topic 4)
You are building a Power BI report to analyze customer segments.
You need to identify customer segments dynamically based on the Bounce Rate across dimensions such as source, geography, and demographics. The solution must minimize analysis effort.
Which type of visualization should you use?

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

Answer: A

Explanation:
The key influencers visual is a great choice if you want to: See which factors affect the metric being analyzed.
Contrast the relative importance of these factors. For example, do short-term contracts affect churn more than long-term contracts?
Note: The key influencers visual helps you understand the factors that drive a metric you're interested in. It analyzes your data, ranks the factors that matter, and displays them as key influencers. For example, suppose you want to figure out what influences employee turnover, which is also known as churn. One factor might be employment contract length, and another factor might be commute time.
https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-influencers

NEW QUESTION 330
- (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 Bl Desktop, connect to a shared dataset

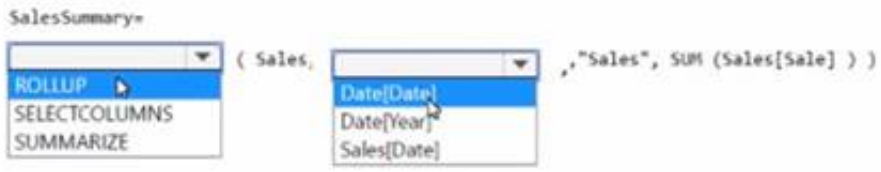
Answer: BC

NEW QUESTION 335
HOTSPOT - (Topic 4)
You have a Power BI model that contains the following data.

Table name	Column name	Description	Data type
Date	Date	Calendar date	Date
	Month	Calendar month	Text
	Year	Calendar year	Integer
Sales	Sale	Sales value	Decimal number
	Date	Calendar date	Date

The Date table relates to the Sales table by using the Date columns. You need to create a calculated table that v/ill contain the following:

Answer Area



A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

NEW QUESTION 337
FILL IN THE BLANK - (Topic 4)
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.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Answer as below

NEW QUESTION 339
- (Topic 4)
You have a Power Bl 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 342
- (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 344
- (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 349
- (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-Power-BI-Embedded/ba- p/1867670 for more information.

NEW QUESTION 352
- (Topic 4)
You have a Microsoft Power Bl 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. Replace the default visuals with AppSource visuals.
B. Change any DAX measures to use iterator functions.
C. Remove unused columns from tables in the data model.
D. Increase the number of times that the dataset is refreshed

Answer: C

Explanation:
? Remove unused columns from tables in the data model. This will reduce the size of your PBIX file and make your data model more efficient. You can use Power Query Editor to remove any columns that are not used in your report or calculations.

NEW QUESTION 356
- (Topic 4)
You plan to use Power BI Desktop optimized for Power BI Report Server to create a report. The report will be published to Power BI Report Server.
You need to ensure that all the visualization in the report can be consumed by users. Which two types of visualizations should you exclude from the report? Each correct answer
presents part of the solution.
NOTE: Each correct selection is worth one point.

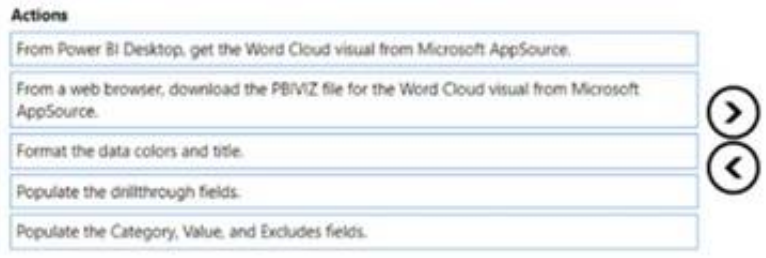
A. Funnel charts
B. Custom visuals
C. Bubble maps
D. Breadcrumbs
E. R visuals

Answer: DE

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

NEW QUESTION 361
DRAG DROP - (Topic 4)
You use Power Bi Desktop to create a Power Bl data model and a blank report You need to add the Word Cloud visual shown in the following exhibit to the report.

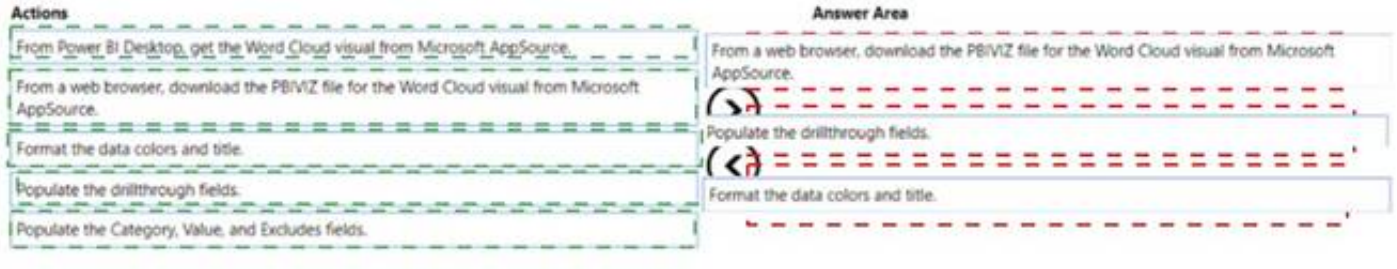
The solution must minimize development effort
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 364
HOTSPOT - (Topic 4)
You have a Power BI data model that analyzes product sales ever 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 367

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