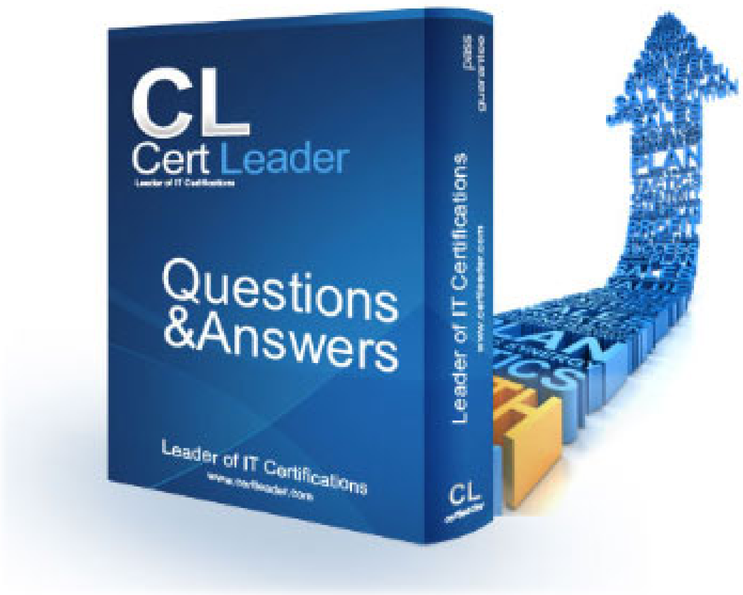
DA-100 Dumps

Analyzing Data with Microsoft Power BI

https://www.certleader.com/DA-100-dumps.html



NEW QUESTION 1
- (Exam Topic 4)
You have four sales regions. Each region has multiple sales managers.
You implement row-level security (RLS) in a data model. You assign the relevant distribution lists to each role.
You have sales reports that enable analysis by region. The sales managers can view the sales records of their region. The sales managers are prevented from viewing records from other regions.
A sales manager changes to a different region.
You need to ensure that the sales manager can see the correct sales data. What should you do?

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

Answer: D

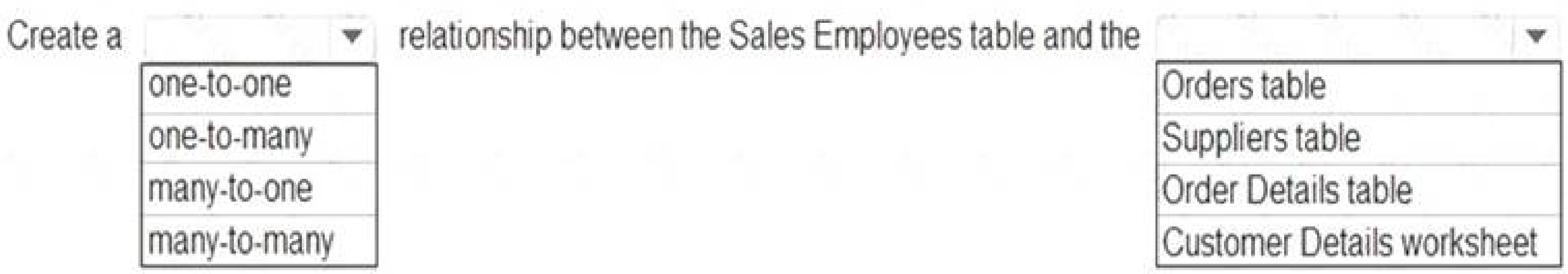
Explanation:
Using AD Security Groups, you no longer need to maintain a long list of users.
All that you will need to do is to put in the AD Security group with the required permissions and Power BI will do the REST! This means a small and simple security file with the permissions and AD Security group.
Note: Configure role mappings
Once published to Power BI, you must map members to dataset roles.
Members can be user accounts or security groups. Whenever possible, we recommend you map security groups to dataset roles. It involves managing security group memberships in Azure Active Directory. Possibly, it delegates the task to your network administrators.
Reference:
https://www.fourmoo.com/2018/02/20/dynamic-row-level-security-is-easy-with-active-directory-security-group
https://docs.microsoft.com/en-us/power-bi/guidance/rls-guidance

NEW QUESTION 2
- (Exam Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this scenario, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You have several reports and dashboards in a workspace.
You need to grant all organizational users read access to a dashboard and several reports. Solution: You enable included in app for all assets.
Does this meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 3
- (Exam Topic 3)
You need to create a relationship in the dataset for RLS.
What should you do? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.



A. Mastered
B. Not Mastered

Answer: A

Explanation:
Text Description automatically generated
Box 1: many-to-one
Each employee in the Sales Employees table is assigned to one sales region. Multiple employees can be assigned to each region.
The Suppliers table has a Region column. Box 2: Suppliers table

NEW QUESTION 4
- (Exam Topic 3)
You need to design the data model to meet the report requirements. What should you do in Power BI Desktop?

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

D. From Power Query, add a date tabl
E. Create an active relationship to the OrderDate column in the Orders table and an inactive relationship to the ShippedDate column in the Orders table.

Answer: B

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

NEW QUESTION 5
- (Exam Topic 3)
You need to create the On-Time Shipping report. The report must include a visualization that shows the percentage of late orders.
Which type of visualization should you create?

A. bar chart
B. scatterplot
C. pie chart

Answer: A

Explanation:
Scenario: The On-Time Shipping report will show the following metrics for a selected shipping month or quarter:
The percentage of orders that were shipped late by country and shipping region Customers that had multiple late shipments during the last quarter
Note: Bar and column charts are some of the most widely used visualization charts in Power BI. They can be used for one or multiple categories. Both these chart types represent data with rectangular bars, where the size of the bar is proportional to the magnitude of data values.
The difference between the two is that if the rectangles are stacked horizontally, it is called a bar chart. If the rectangles are vertically aligned, it is called a column chart.
Reference:
https://www.pluralsight.com/guides/bar-and-column-charts-in-power-bi

NEW QUESTION 6
- (Exam Topic 2)
Which two types of visualizations can be used in the balance sheet reports to meet the reporting goals? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. a line chart that shows balances by quarter filtered to account categories that are long-term liabilities.
B. a clustered column chart that shows balances by date (x-axis) and account category (legend) without filters.
C. a clustered column chart that shows balances by quarter filtered to account categories that are long-term liabilities.
D. a pie chart that shows balances by account category without filters.
E. a ribbon chart that shows balances by quarter and accounts in the legend.

Answer: AE

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

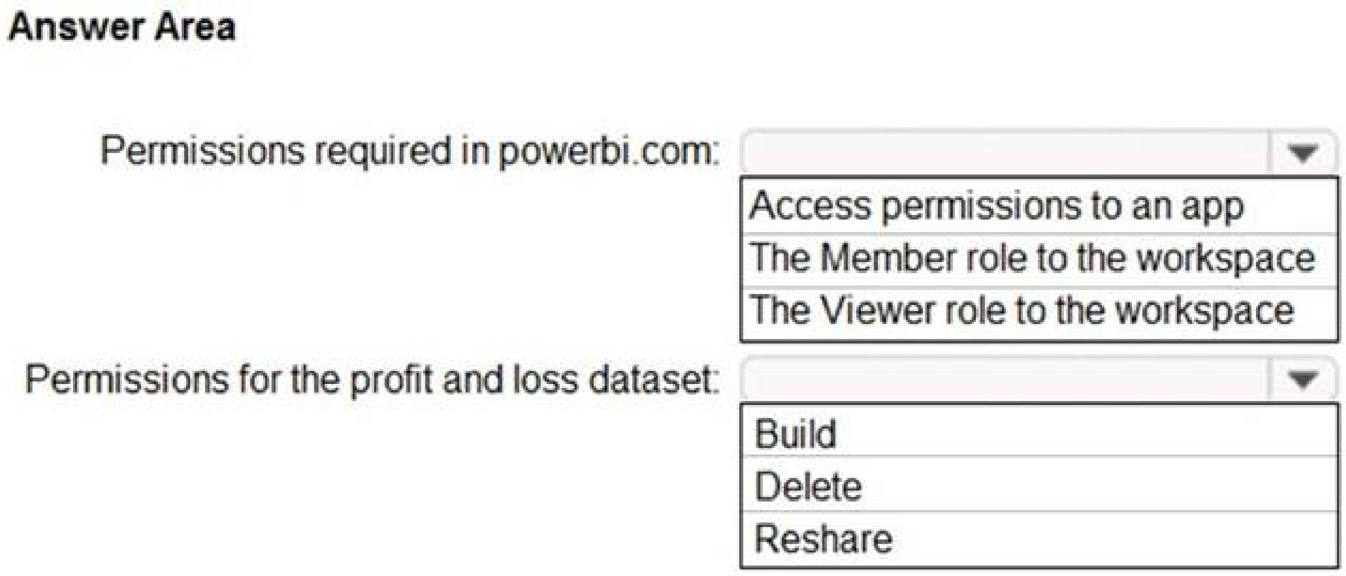
NEW QUESTION 7
- (Exam Topic 2)
Which DAX expression should you use to get the ending balances in the balance sheet reports?

A. CALCULATE (SUM(BalanceSheet [BalanceAmount]), DATESQTD('Date'[Date]))
B. CALCULATE (SUM(BalanceSheet [BalanceAmount]), LASTDATE('Date'[Date]))
C. FIRSTNONBLANK ('Date' [Date]SUM(BalanceSheet[BalanceAmount]))
D. CALCULATE (MAX(BalanceSheet[BalanceAmount]), LASTDATE('Date' [Date]))

Answer: A

Explanation:
Scenario: At least one of the balance sheet reports in the quarterly reporting package must show the ending balances for the quarter, as well as for the previous quarter.
DATESQTD returns a table that contains a column of the dates for the quarter to date, in the current context. Reference:
https://docs.microsoft.com/en-us/dax/datesqtd-function-dax

NEW QUESTION 8
- (Exam Topic 2)
You need to grant access to the business unit analysts.
What should you configure? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.



A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: The Viewer role to the workspace
The Viewer role gives a read-only experience to its users. They can view dashboards, reports, or workbooks in the workspace, but can't browse the datasets or dataflows. Use the Viewer role wherever you would previously use a classic workspace set to "Members can only view Power BI content".

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

Box 2: Build
The analysts must be able to build new reports from the dataset that contains the profit and loss data. Scenario: The reports must be made available to the board from powerbi.com.
The analysts responsible for each business unit must see all the data the board sees, except the profit and loss data, which must be restricted to only their business unit's data. The analysts must be able to build new reports from the dataset that contains the profit and loss data, but any reports that the analysts build must not be included in the quarterly reports for the board. The analysts must not be able to share the quarterly reports with anyone.
Reference:
https://www.nickyvv.com/2019/08/the-new-power-bi-workspace-viewer-role-explained.html

NEW QUESTION 9
- (Exam Topic 2)
What is the minimum number of datasets and storage modes required to support the reports?

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

Answer: D

Explanation:
"The analysts responsible for each business unit must see all the data the board sees, except the profit and loss data, which must be restricted to only their business unit's data. The analysts must be able to build new reports from the dataset that contains the profit and loss data" => one dataset and two separate workspaces Reason: All data can be imported into one dataset also if these are two logical models. Shared dimensions can be reconsumed in both models. Reports and additional materials can be shared to the board with an app. The "profit and loss" data model needs RLS for the analysts and the analysts must have just read access to the original workspace. In a separate workspace with 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
- (Exam Topic 1)
You need to create a relationship between the Weekly_Returns table and the Date table to meet the reporting requirements of the regional managers. What should you do?

A. In the Weekly.Returns table, create a new calculated column named date-id in a format of yyyymmdd and use the calculated column to create a relationship to the Date table.
B. Add the Weekly_Returns data to the Sales table by using related DAX functions.
C. Create a new table based on the Date table where date-id is unique, and then create a many-to-many relationship to Weekly_Return.

Answer: A

Explanation:
Scenario: Region managers require a visual to analyze weekly sales and returns. To relate the two tables we need a common column.

NEW QUESTION 10
- (Exam Topic 1)
You need to address the data concerns before creating the data model. What should you do in Power Query Editor?

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

Answer: C

NEW QUESTION 13
- (Exam Topic 4)
You are configuring a Microsoft Power BI data model to enable users to ask natural language questions by using Q&A. You have a table named Customer that has the following measure.
Customer Count = DISTINCTCOUNT(Customer[CustomerID])
Users frequently refer to customers as subscribers.
You need to ensure that the users can get a useful result for "subscriber count" by using Q&A. The solution must minimize the size of the model.
What should you do?

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

Answer: B

Explanation:
You can add synonyms to tables and columns.
Note: This step applies specifically to Q&A (and not to Power BI reports in general). Users often have a variety of terms they use to refer to the same thing, such as total sales, net sales, total net sales. You can add these synonyms to tables and columns in the Power BI model.
This step applies specifically to Q&A (and not to Power BI reports in general). Users often have a variety of terms they use to refer to the same thing, such as total sales, net sales, total net sales. You can add these synonyms to tables and columns in the Power BI model.
Reference:
https://docs.microsoft.com/en-us/power-bi/natural-language/q-and-a-best-practices

NEW QUESTION 14
- (Exam Topic 4)
You have a Microsoft Power BI data model that contains three tables named Orders, Date, and City. There is a one-to-many relationship between Date and Orders and between City and Orders.
The model contains two row-level security (RLS) roles named Role1 and Role2. Role1 contains the following filter.
City[State Province] = "Kentucky" Role2 contains the following filter. Date[Calendar Year] = 2020
If a user is a member of both Role1 and Role2, what data will they see in a report that uses the model?

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

Answer: B

Explanation:
When a report user is assigned to multiple roles, RLS filters become additive. It means report users can see table rows that represent the union of those filters.
Reference:
https://docs.microsoft.com/en-us/power-bi/guidance/rls-guidance

NEW QUESTION 15
- (Exam Topic 4)
You have two tables named Customers and Invoice in a Power BI model. The Customers table contains the following fields:
- CustomerID
- Customer City
- Customer State

- Customer Name
- Customer Address 1
- Customer Address 2
- Customer Postal Code

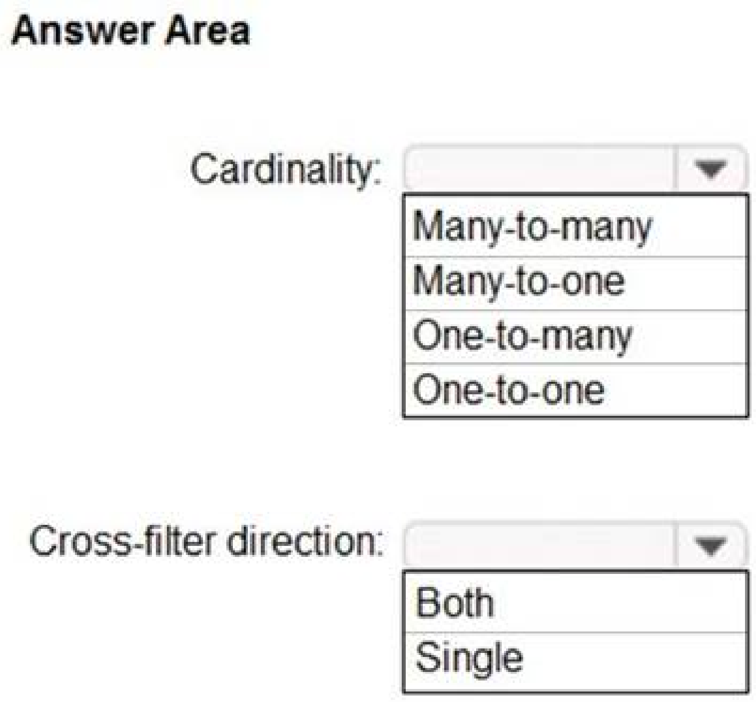
The Invoice table contains the following fields:

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

The Customers table is related to the Invoice table through the Customer ID columns. A customer can have many invoices within one month.
The Power BI model must provide the following information:

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

You need to define the relationship from the Customers table to the Invoice table. The solution must optimize query performance.
What should you configure? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.



A. Mastered
B. Not Mastered

Answer: A

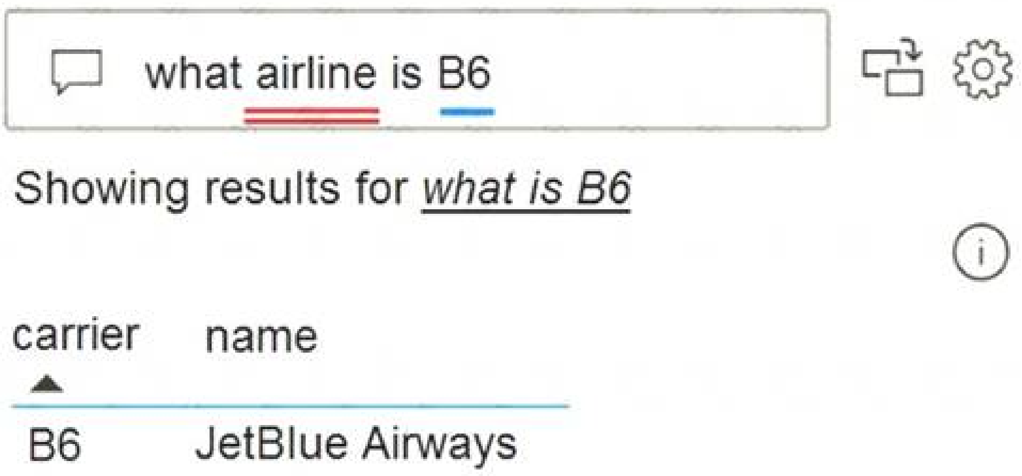
Explanation:
Box 1: One-to-many
A customer can have many invoices within one month. Box 2: Single
For One-to-many relationships, the cross filter direction is always from the "one" side, and optionally from the "many" side (bi-directional). For Single cross filter direction means "single direction", and Both means "both directions". A relationship that filters in both directions is commonly described as bi-directional.
Reference:
https://docs.microsoft.com/en-us/power-bi/transform-model/desktop-relationships-understand

NEW QUESTION 17
- (Exam 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. Split the visuals onto multiple pages.
B. Implement row-level security (RLS).
C. Replace the default visuals with custom visuals.
D. Increase the number of times that the dataset is refreshed.

Answer: A

NEW QUESTION 20
- (Exam Topic 4)
You have a Q&A visual that displays information from a table named Carriers as shown in the following exhibit.



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

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

Answer: B

Explanation:
Add synonyms to tables and columns: This step applies specifically to Q&A (and not to Power BI reports in general). Users often have a variety of terms they use to refer to the same thing, such as total sales, net sales, total net sales. You can add these synonyms to tables and columns in the Power BI model.
This step can be important. Even with straightforward table and column names, users of Q&A ask questions using the vocabulary that first comes to them. They're not choosing from a predefined list of columns. The more sensible synonyms you add, the better your users' experience is with your report.
Reference:
https://docs.microsoft.com/en-us/power-bi/natural-language/q-and-a-best-practices

NEW QUESTION 21
- (Exam Topic 4)
You have a report that contains a bar chart and a column chart. The bar chart shows customer count by customer segment. The column chart shows sales by month.
You need to ensure that when a segment is selected in the bar chart, you see which portion of the total sales for the month belongs to the customer segment.
How should the visual interactions be set on the column chart when the bar chart is selected?

A. no impact
B. highlight
C. filter

Answer: B

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

NEW QUESTION 23
- (Exam Topic 4)
You have five sales regions. Each region is assigned a single salesperson.
You have an imported dataset that has a dynamic row-level security (RLS) role named Sales. The Sales role filters sales transaction data by salesperson.
Salespeople must see only the data from their region.
You publish the dataset to powerbi.com, set RLS role membership, and distribute the dataset and related reports to the salespeople.
A salesperson reports that she believes she should see more data. You need to verify what data the salesperson currently sees. What should you do?

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

Answer: B

Explanation:
Validate the roles within Power BI Desktop
After you've created your roles, test the results of the roles within Power BI Desktop.From the Modeling tab, select View as.
A picture containing application Description automatically generatedThe View as roles window appears, where you see the roles you've created.Graphical user interface, text, application Description automatically
generated

Select a role you created, and then select OK to apply that role.The report renders the data relevant for that role.
You can also select Other user and supply a given user.Graphical user interface, application Description automatically generated
Select OK.The report renders based on what that user can see.
Reference:
https://docs.microsoft.com/en-us/power-bi/admin/service-admin-rls

NEW QUESTION 26
- (Exam Topic 4)
In Power Bi Desktop, you are creating visualizations in a report based on an imported dataset
You need to allow Power Bi users to export the summarized data used to create the visualizations but prevent the users from exporting the underlying data
What should you do?

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

Answer: B

NEW QUESTION 28
- (Exam Topic 4)
You are reviewing a query that produces 10,000 rows in the Power Query Editor. You need to identify whether a column contains only unique values.
Which two Data Preview options can you use? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

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

Answer: AB

Explanation:
B: Column distribution: This feature provides a set of visuals underneath the names of the columns that showcase the frequency and distribution of the values in each of the columns. The data in these visualizations is sorted in descending order from the value with the highest frequency.
By hovering over the distribution data in any of the columns, you get information about the overall data in the column (with distinct count and unique values).
A: Column profile: This feature provides a more in-depth look at the data in a column [compared to column distribution]. Apart from the column distribution chart, it contains a column statistics chart.
Reference:
https://docs.microsoft.com/en-us/power-query/data-profiling-tools

NEW QUESTION 32
- (Exam Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this scenario, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You have a clustered bar chart that contains a measure named Salary as the value and a field named Employee as the axis. Salary is present in the data as numerical amount representing US dollars.
You need to create a reference line to show which employees are above the median salary. Solution: You create an average line by using the Salary measure.
Does this meet the goal?

A. Yes
B. No

Answer: B

Explanation:
Instead create a percentile line by using the Salary measure and set the percentile to 50%.
Note: The 50th percentile is also known as the median or middle value where 50 percent of observations fall below.
Reference:
https://dash-intel.com/powerbi/statistical_functions_percentile.php

NEW QUESTION 37
- (Exam Topic 4)
You are creating a Microsoft Power BI imported data model to perform basket analysis. The goal of the analysis is to identify which products are usually bought together in the same transaction across and within sales territories.
You import a fact table named Sales as shown in the exhibit. (Click the Exhibit tab.)

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

The related dimension tables are imported into the model.
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
The SalesRowID and AuditID columns can be removed from the model without impeding the analysis goals.	○	○
Both the OrderDateKey and OrderDate columns are necessary to perform the basket analysis.	○	○
The TaxAmt column must retain the current number of decimal places to perform the basket analysis.	○	○

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 42
- (Exam Topic 4)
You need to create a relationship in the dataset for RLS.
What should you do? To answer select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

Create a one-to-many ▼ relationship between the Sales Employees table and the Customer Details worksheet ▼

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Create a one-to-many relationship between the Sales Employees table and the Customer Details worksheet

NEW QUESTION 46
- (Exam Topic 4)
You publish a Microsoft Power BI dataset to powerbi.com. The dataset appends data from an on-premises Oracle database and an Azure SQL database by using one query.
You have admin access to the workspace and permission to use an existing On-premises data gateway for which the Oracle data source is already configured.
You need to ensure that the data is updated every morning. The solution must minimize configuration effort. Which two actions should you perform when you configure scheduled refresh? Each correct answer presents
part of the solution.
NOTE: Each correct selection is worth one point.

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

Answer: AC

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

NEW QUESTION 47
- (Exam Topic 4)
You need to create a visual as shown in the following exhibit.

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

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

Answer Area

Conditional formatting:
- Background color
- Data bars
- Font color
- Icons
- Web URL

Format by:
- Color scale
- Field value
- Rules

A. Mastered
B. Not Mastered

Answer: A

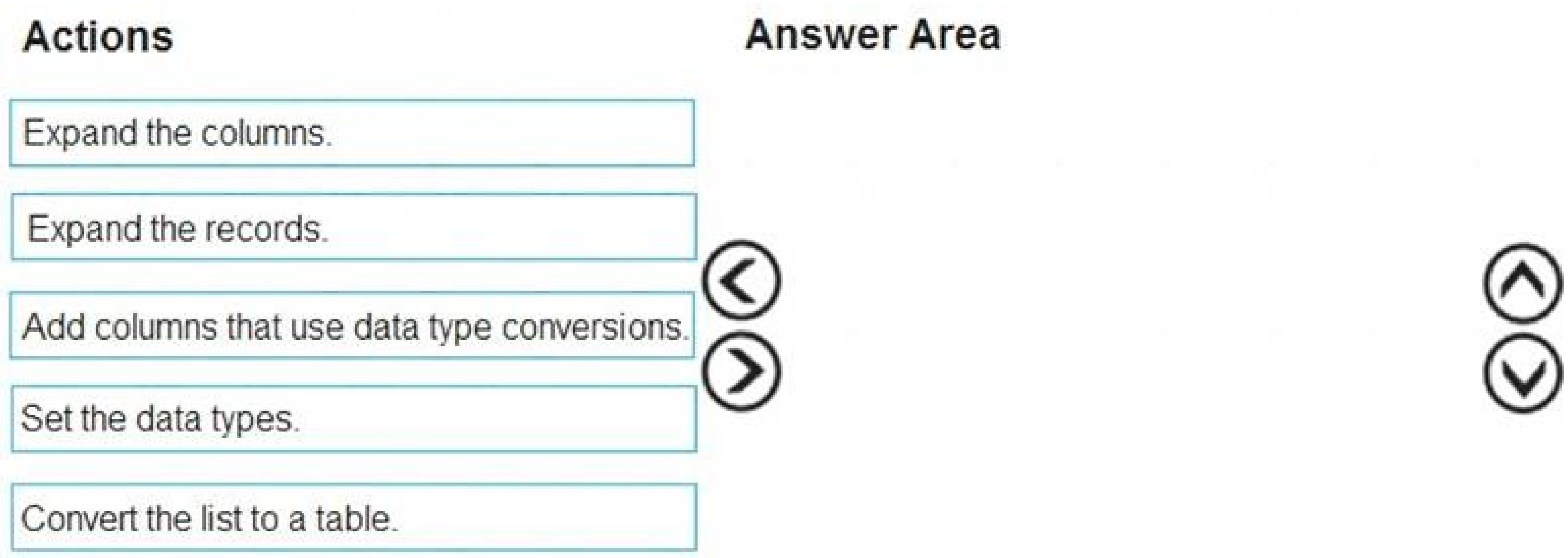
Explanation:
Box 1: Background color
To format the Color column based on its field values, select Conditional formatting for the Color field, and then select Background color or Font color.
In the Background color or Font color dialog box, select Field value from the Format by drop-down field. Box 2: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

NEW QUESTION 51
- (Exam Topic 4)
You import a large dataset to Power Query Editor.
You need to identify whether a column contains only unique values.
Which two Data Preview options can you use? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point

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

Answer: AD

NEW QUESTION 56
- (Exam Topic 4)
You are building a dataset from a JSON file that contains an array of documents.
You need to import attributes as columns from all the documents in the JSON file. The solution must ensure that date attributes can be used as date hierarchies in Microsoft Power BI reports.
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



A. Mastered
B. Not Mastered

Answer: A

Explanation:
Here is an example: https://youtu.be/B4kzyxnhQfI The definition of the function which expand columns: https://docs.microsoft.com/en-us/powerquery-m/table-expandrecordcolumn

NEW QUESTION 60
- (Exam Topic 4)
You are creating a Microsoft Power BI model that has two tables named CityData and Sales. CityData contains only the data shown in the following table.

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

Sales contains only the data shown in the following table.

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

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

Answer Area

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Text Description automatically generated
Box 1: Yes
The Related function returns a related value from another table.
The RELATED function requires that a relationship exists between the current table and the table with related information. You specify the column that contains the data that you want, and the function follows an existing many-to-one relationship to fetch the value from the specified column in the related table. If a relationship does not exist, you must create a relationship.
Box 2: Yes
Box 3: No
TX only occurs in the Sales table, but not in the CityData table. Reference:
https://docs.microsoft.com/en-us/dax/related-function-dax https://docs.microsoft.com/en-us/dax/calculate-function-dax

NEW QUESTION 61
- (Exam Topic 4)
You need to design the data model to meet the report requirements. What should you do m Power BI Desktop?

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

Answer: D

NEW QUESTION 65
- (Exam Topic 4)
You need to create a measure that will return the percentage of late orders.
How should you complete the DAX expression? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

```
Late Orders Percent =
VAR OrderCount =
    COUNTROWS ( 'Orders' )
VAR LateOrders =
      CALCULATE ▼
        COUNTROWS ( 'Orders' ),
        FILTER ▼ ( Orders,   Orders[ShippedDate] > Orders[RequiredDate] ▼
    )
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:
.
Graphical user interface Description automatically generated

NEW QUESTION 67
- (Exam 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:
A picture containing background pattern
Description automatically generated

NEW QUESTION 69
- (Exam Topic 4)
ion have a Power BI dataset that contains a table named Temperature Readings. Temperature Readings contains the columns shown in the following table.

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

The table has 12 million rows. All the columns are needed for analysis.
You need to optimize the dataset to decrease the model size. The solution must not affect the precision of the data.
What should you do?

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

Answer: B

Explanation:
Disable Power Query load.
Power Query queries that are intended support data integration with other queries should not be loaded to the model. To avoid loading the query to the model, take care to ensure that you disable query load in these instances.
Reference:
https://docs.microsoft.com/en-us/power-bi/guidance/import-modeling-data-reduction#disable-power-query-quer

NEW QUESTION 70
- (Exam Topic 4)
You are developing a report page. Some users will navigate the report by using a keyboard, and some users will consume the report by using a screen reader.
You need to ensure that the users can consume the content on a report page in a logical order. What should you configure in Microsoft Power BI Desktop?

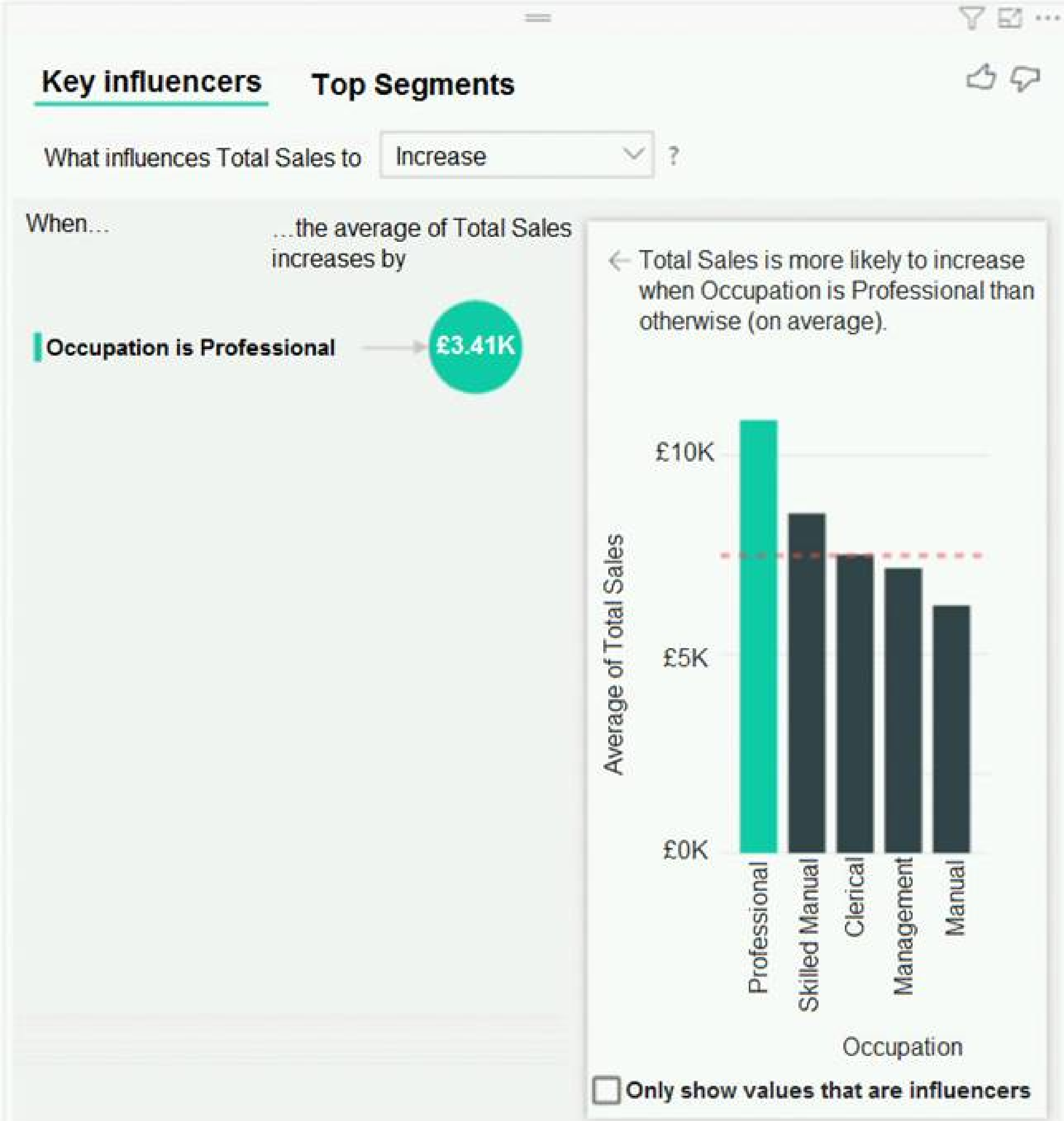
A. the bookmark order
B. the layer order
C. the tab order
D. the X position

Answer: C

Explanation:
If you find yourself unable to navigate to an object or visual while using a keyboard, it may be because the report author has decided to hide that object from the tab order. Report authors commonly hide decorative objects from the tab order. If you find that you cannot tab through a report in a logical manner, you should contact the report author. Report authors can set the tab order for objects and visuals.
Reference:
https://docs.microsoft.com/en-us/power-bi/create-reports/desktop-accessibility-consuming-tools

NEW QUESTION 73
- (Exam Topic 4)
You have a table that contains the following three columns:
- City
- Total Sales
- Occupation

You need to create a key influencers visualization as shown in the exhibit. (Click the Exhibit tab.)



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

Answer Area

Analyze:
- City
- Occupation
- Total Sales

Explain by:
- City
- Occupation
- Total Sales

Expand by:
- City
- Occupation
- Total Sales

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Total Sales Box 2: Occupation

Box 3: City
You can use Expand By to add fields you want to use for setting the level of the analysis without looking for new influencers.
Reference:
https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-influencers

NEW QUESTION 77
- (Exam Topic 4)
You have a data model that contains many complex DAX expressions. The expressions contain frequent references to the RELATED and RELATEDTABLE functions.
You need to recommend a solution to minimize the use of the RELATED and RELATEDTABLE functions. What should you recommend?

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

Answer: A

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

NEW QUESTION 78
- (Exam Topic 4)
You import two Microsoft Excel tables named Customer and Address into Power Query. Customer contains the following columns:
- Customer ID
- Customer Name
- Phone
- Email Address
- Address ID

Address contains the following columns:
- Address ID
- Address Line 1
- Address Line 2
- City
- State/Region
- Country
- Postal Code

The Customer ID and Address ID columns represent unique rows.
You need to create a query that has one row per customer. Each row must contain City, State/Region, and Country for each customer.
What should you do?

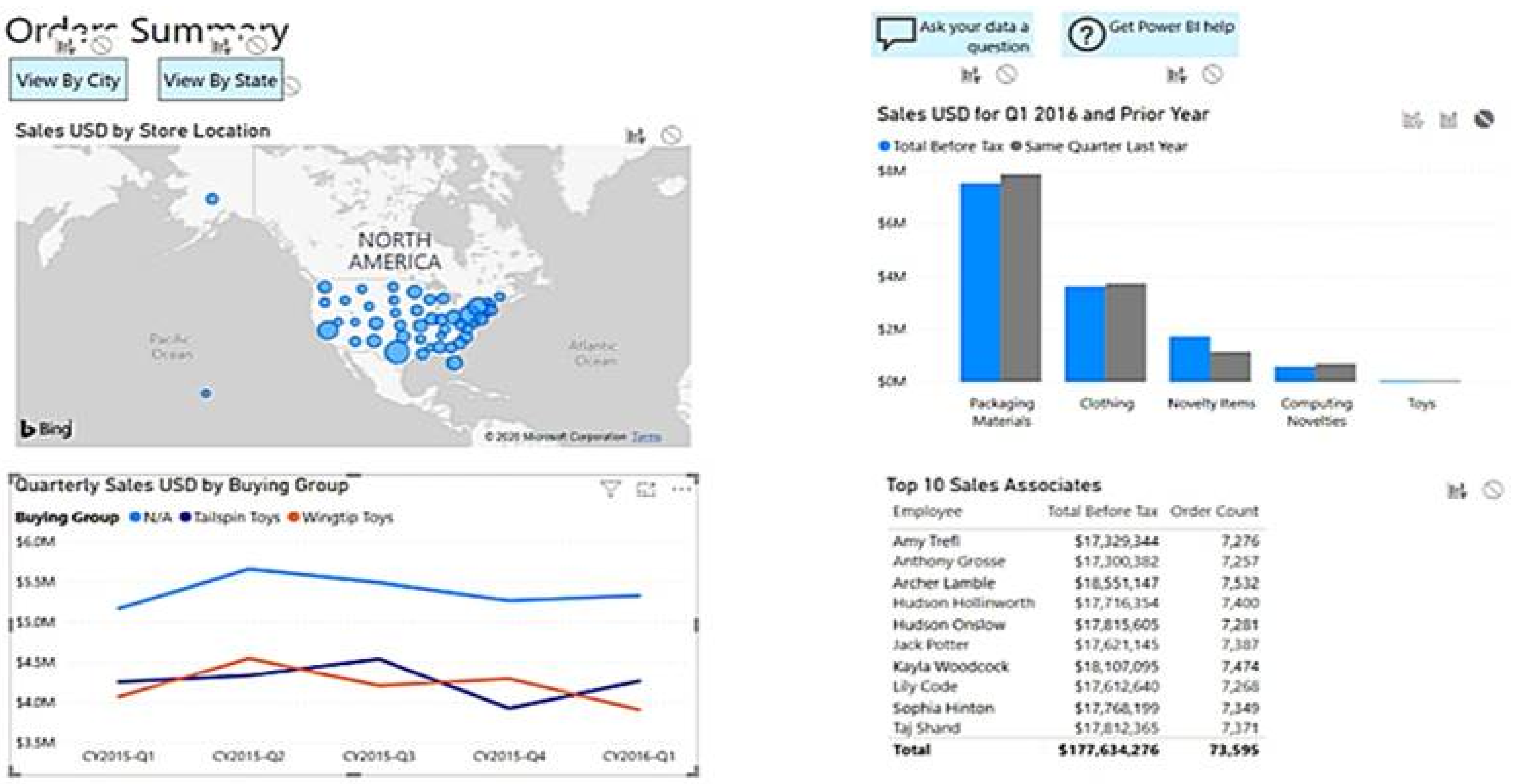
A. Merge the Customer and Address tables.
B. Transpose the Customer and Address tables.
C. Group the Customer and Address tables by the Address ID column.
D. Append the Customer and Address tables.

Answer: A

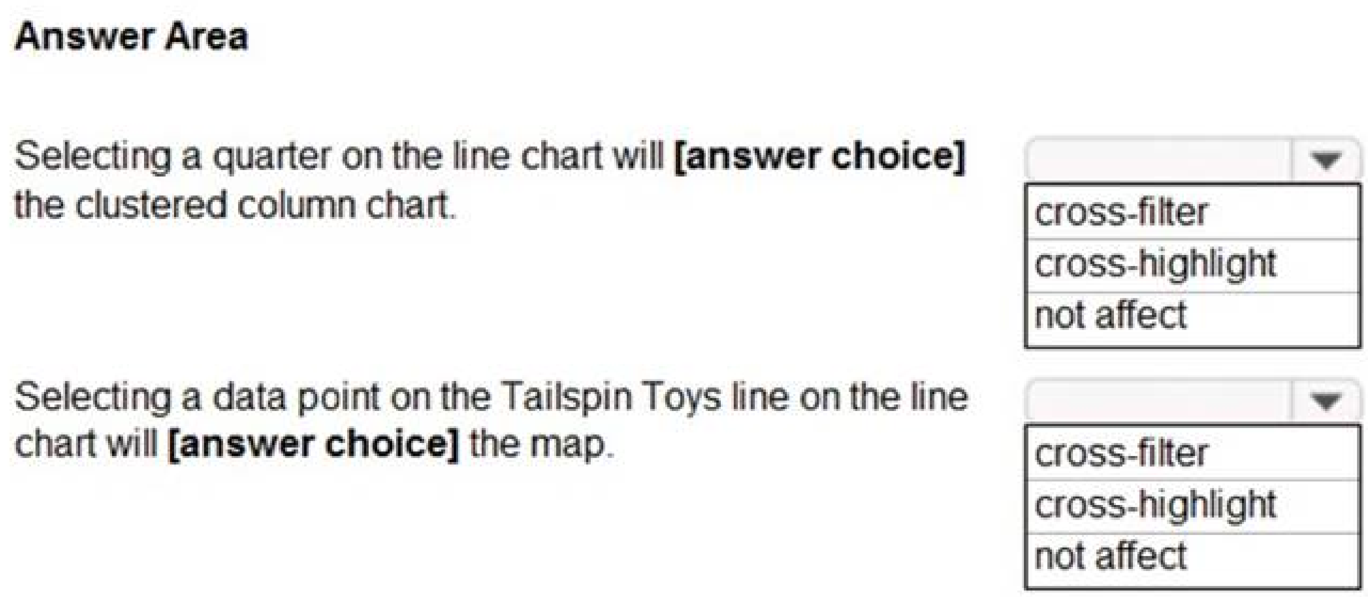
Explanation:
There are two primary ways of combining queries: merging and appending.
- When you have one or more columns that you'd like to add to another query, you merge the queries.
- When you have additional rows of data that you'd like to add to an existing query, you append the query.

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

NEW QUESTION 81
- (Exam Topic 4)
You have a report page that contains the visuals shown in the following exhibit.



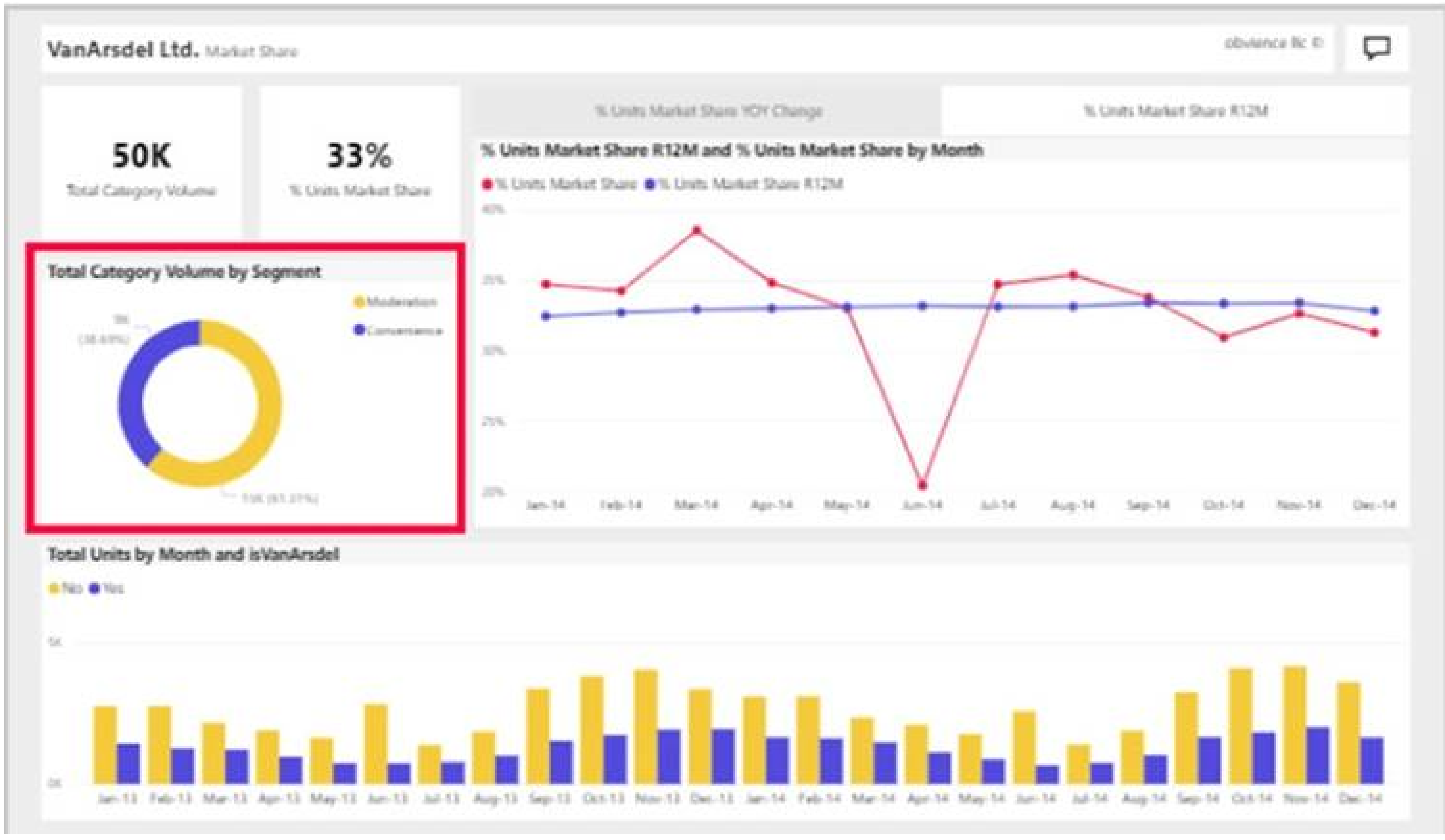
Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic. NOTE: Each correct selection is worth one point.



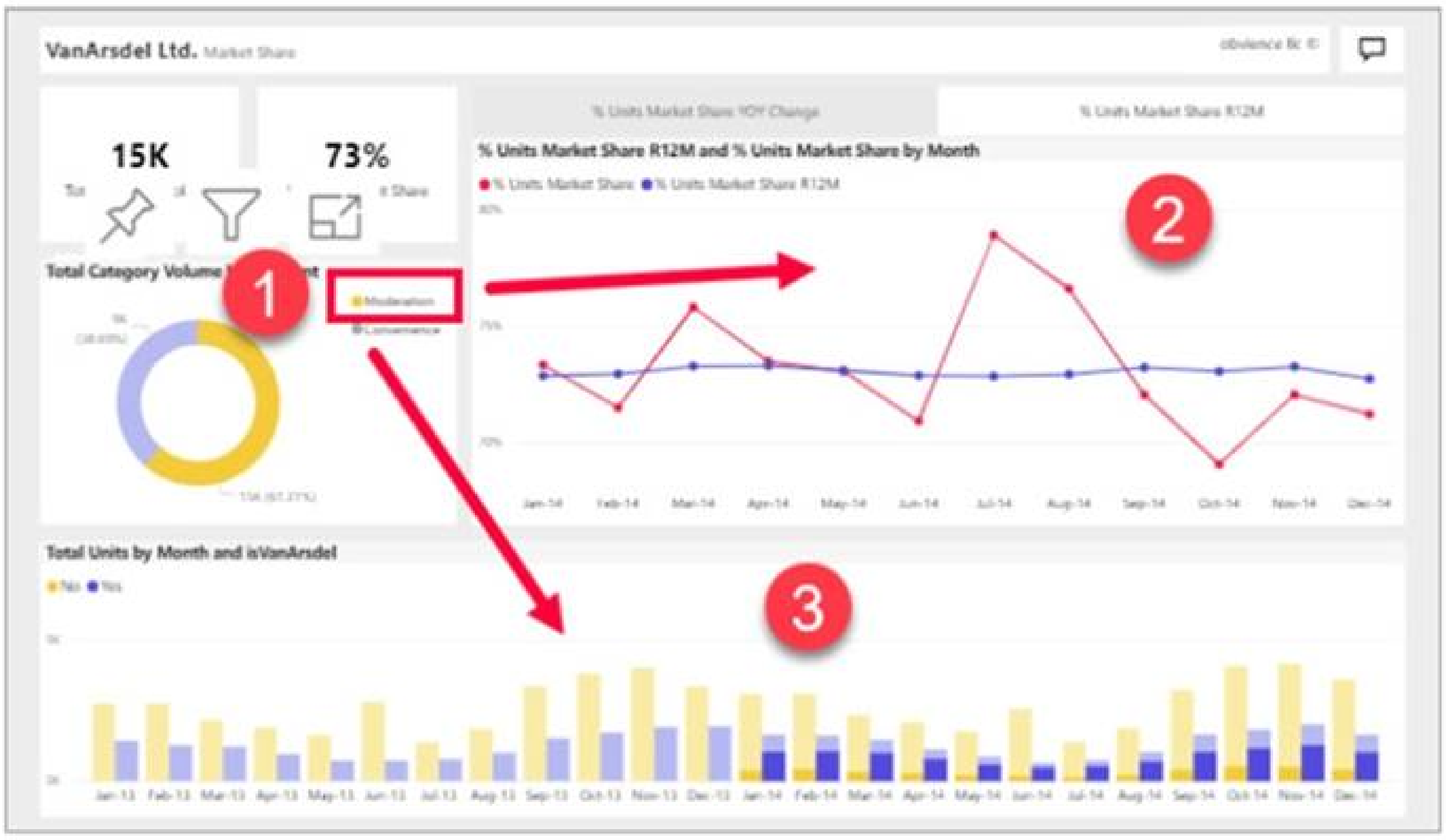
A. Mastered
B. Not Mastered

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.
Reference:
https://docs.microsoft.com/en-us/power-bi/consumer/end-user-interactions

NEW QUESTION 86
- (Exam Topic 4)
Your company plans to completely separate development and production assets such as datasets, reports, and dashboards in Microsoft Power BI.
You need to recommend an application lifecycle strategy. The solution must minimize maintenance to update access and prevent end users from viewing the development assets.
What should you recommend?

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

Answer: C

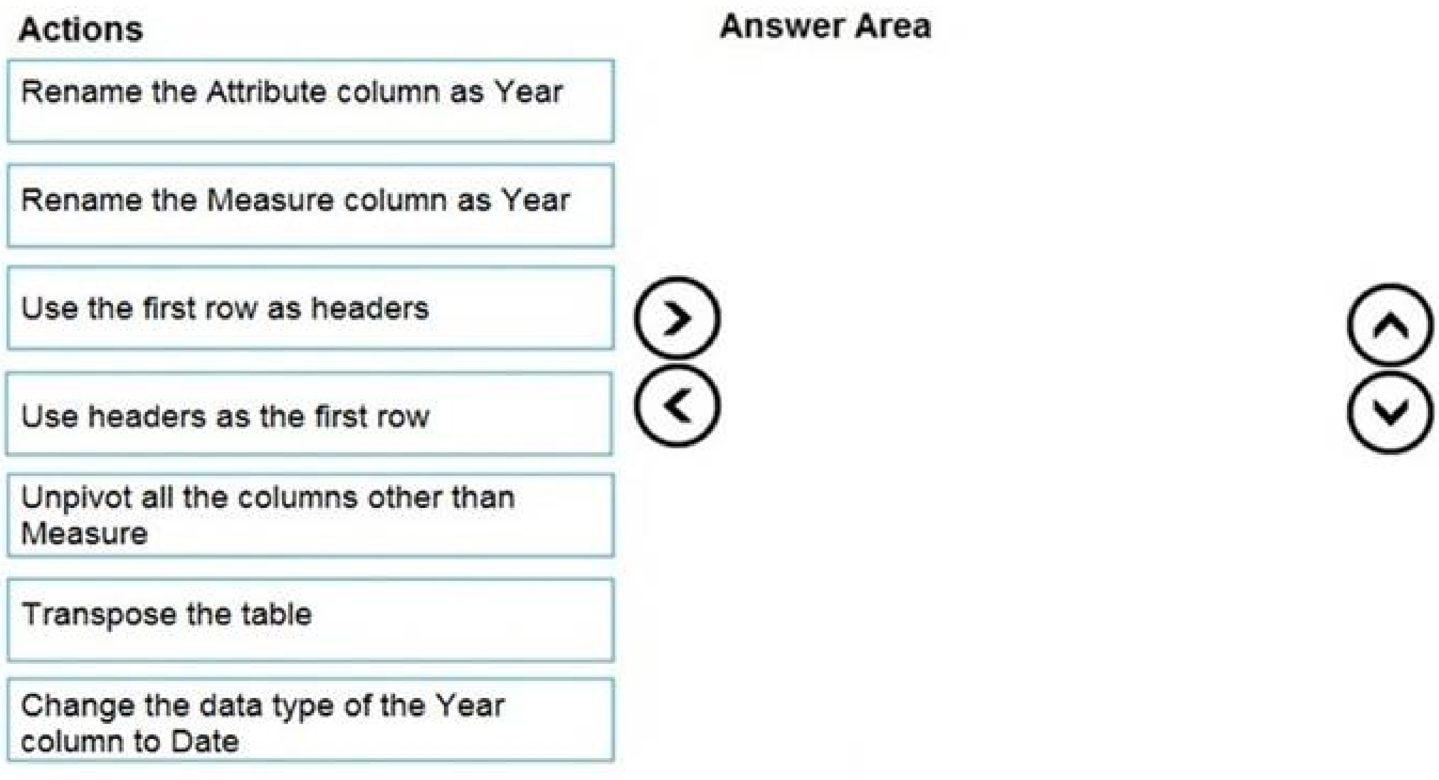
NEW QUESTION 91
- (Exam Topic 4)

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

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

You need to prepare the data to support the following:
- Visualizations that include all measures in the data over time
- Year-over-year calculations for all the measures

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



A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 96
- (Exam Topic 4)
You have an API that returns more than 100 columns. The following is a sample of column names.
- client_notified_timestamp
- client_notified_source
- client_notified_sourceid
- client_notified_value
- client_responded_timestamp
- client_responded_source
- client_responded_sourceid
- client_responded_value

You plan to include only a subset of the returned columns.
You need to remove any columns that have a suffix of sourceid.
How should you complete the Power Query M code? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

```
let

 Source = …,
 rawData = Source{[tableId= "clientData"]}[Data],
 removeSources = [▼] (rawData,
```

- Table.CombineColumn
- Table.FindText
- Table.FromList
- Table.RemoveColumns

```
                 [▼] (Table.ColumnNames(rawData),
```

- List.Contains
- List.Select
- Table.FindText
- Table.FromList

```
            each [▼] (_, "sourceid")))
```

- Text.Contains
- Text.EndsWith
- Text.From
- Text.StartsWith

```
  in
      removeSources
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Table.RemoveColumns
When you do "Remove Columns" Power Query uses the Table.RemoveColumns function
Box 2: List.Select
Get a list of columns.
Box 3: Text.EndsWith

NEW QUESTION 98
- (Exam Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this scenario, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You have a clustered bar chart that contains a measure named Salary as the value and a field named Employee as the axis. Salary is present in the data as numerical amount representing US dollars.
You need to create a reference line to show which employees are above the median salary. Solution: You create a percentile line by using the Salary measure and set the percentile to 50%. Does this meet the goal?

A. Yes
B. No

Answer: A

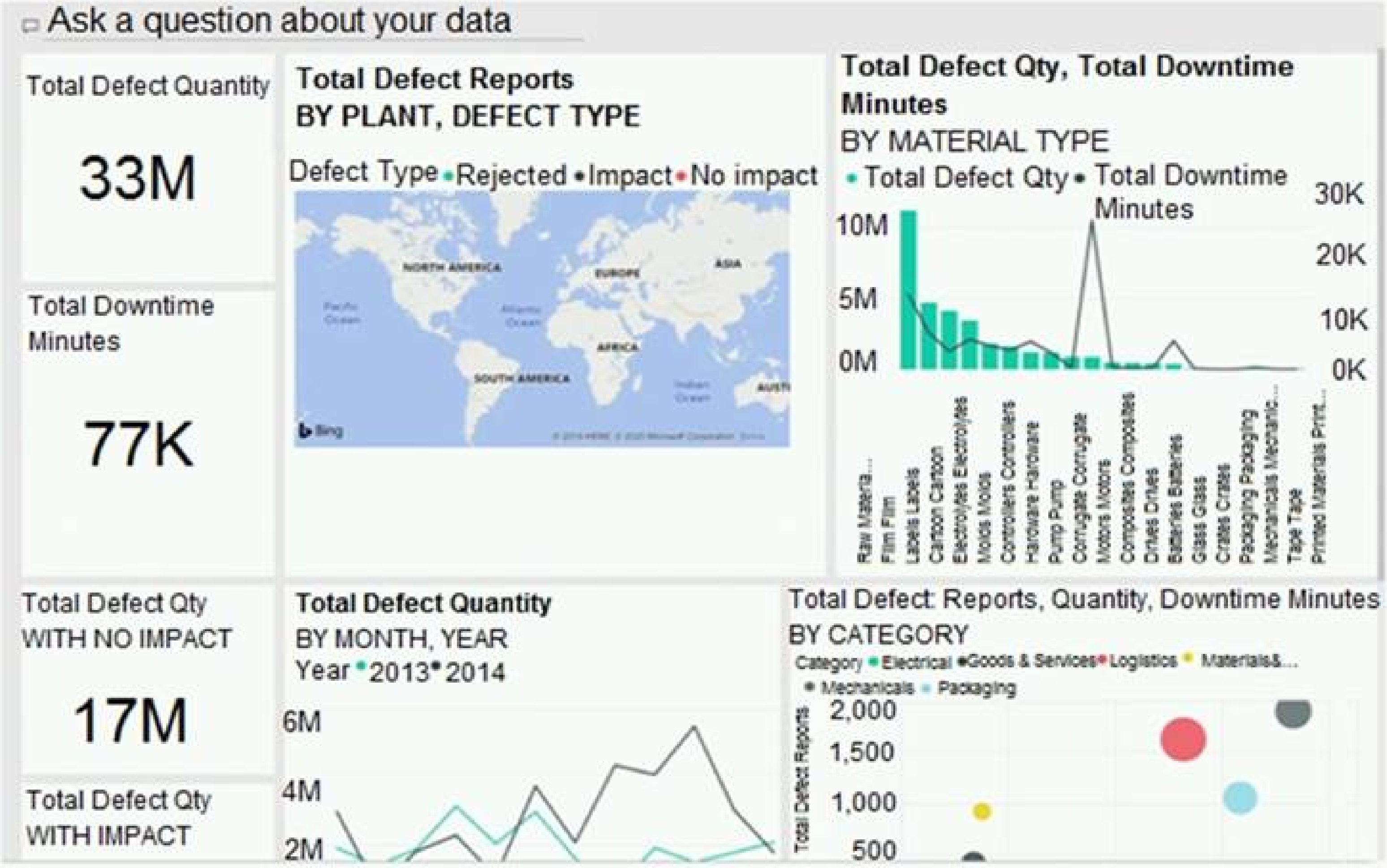
Explanation:
The 50th percentile is also known as the median or middle value where 50 percent of observations fall below. Reference:
https://dash-intel.com/powerbi/statistical_functions_percentile.php

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

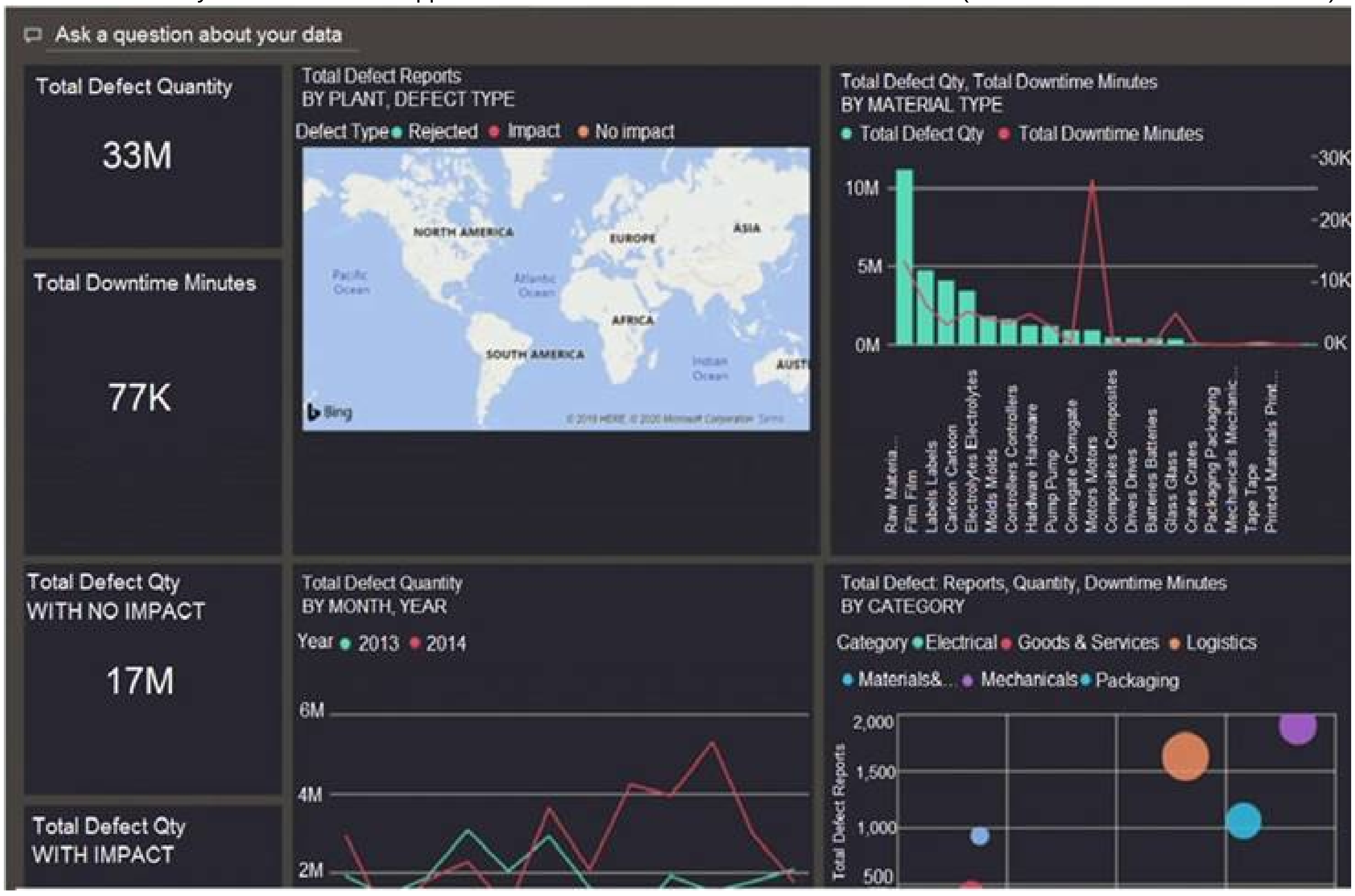
A. Yes
B. No

Answer: A

NEW QUESTION 105
- (Exam Topic 4)
You have a dashboard that contains tiles pinned from a single report as shown in the Original Dashboard exhibit. (Click the Original Dashboard tab.)



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



What should you do?

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

Answer: C

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

NEW QUESTION 110
- (Exam Topic 4)
You have a Microsoft Power BI report. The size of PBIX file is 550 MB. The report is accessed by using an App workspace in shared capacity of powerbi.com.
The report uses an imported dataset that contains one fact table. The fact table contains 12 million rows. The dataset is scheduled to refresh twice a day at 08:00 and 17:00.
The report is a single page that contains 15 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: C

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 111
- (Exam Topic 4)
You publish a report to a workspace named Customer Services. The report identifies customers that have potential data quality issues that must be investigated by the customer services department of your company.
You need to ensure that customer service managers can create task lists in Microsoft Excel based on the data. Which report setting should you configure?

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

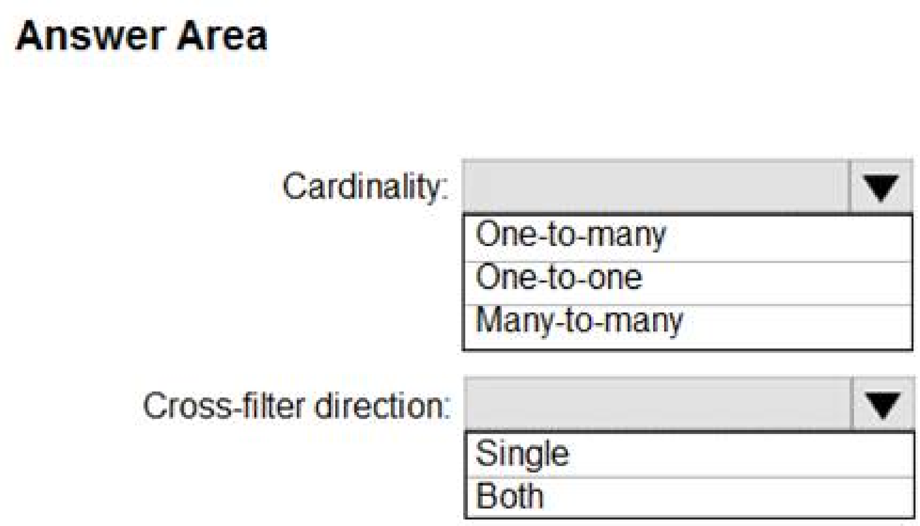
Answer: E

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

NEW QUESTION 114
- (Exam Topic 4)
You are creating a Microsoft Power BI data model that has the tables shown in the following table.

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

The Products table is related to the ProductCategory table through the ProductCategoryID column. You need to ensure that you can analyze sales by product category.
How should you configure the relationships from Products to ProductCategory? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.



A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: One-to-many
Box 2: Both
For One-to-many relationships, the cross filter direction is always from the "one" side, and optionally from the "many" side (bi-directional).
Note:

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

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

NEW QUESTION 119
- (Exam Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You create a parameter named DataSourceExcel that holds the file name and location of a Microsoft Excel data source.
You need to update the query to reference the parameter instead of multiple hard-coded copies of the location within each query definition.
Solution: You modify the source step of the queries to use DataSourceExcel as the file path. Does this meet the goal?

A. Yes
B. No

Answer: A

Explanation:
Parameterising a Data Source could be used in many different use cases. From connecting to different data sources defined in Query Parameters to load different combinations of columns.
Reference:
https://www.biinsight.com/power-bi-desktop-query-parameters-part-1/

NEW QUESTION 120
......

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