

# Microsoft

## Exam Questions PL-300

Microsoft Power BI Data Analyst



**NEW QUESTION 1**

- (Topic 1)

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

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

**Answer: C**

**NEW QUESTION 2**

- (Topic 1)

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

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

**Answer: A**

**NEW QUESTION 3**

- (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 4**

- (Topic 1)

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

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

**Answer: C**

**Explanation:**

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

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

Reference:

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

**NEW QUESTION 5**

HOTSPOT - (Topic 1)

You publish the dataset to powerbi.com.

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
You need an on-premises data gateway to refresh the dataset.	<input type="radio"/>	<input type="radio"/>
You need to configure a scheduled refresh of the dataset.	<input type="radio"/>	<input type="radio"/>
You can use Basic authentication on the dataset to connect to the data.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

**Answer Area**

Statements	Yes	No
You need an on-premises data gateway to refresh the dataset.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
You need to configure a scheduled refresh of the dataset.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
You can use Basic authentication on the dataset to connect to the data.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**NEW QUESTION 6**

- (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 7**

- (Topic 2)

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

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

**Answer: B**

**NEW QUESTION 8**

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.

**Answer Area**

Type of calculation:  A DAX calculated column  
 A DAX calculated measure  
 An M custom column

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

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Box 1: A DAX Calculated measure  
 Box 2: Date.EndofQuarter(#date([Year],[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 9**

HOTSPOT - (Topic 2)

You need to grant access to the business unit analysts. What should you configure? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

**Answer Area**

Permissions required in powerbi.com:  Access permissions to an app  
 The Member role to the workspace  
 The Viewer role to the workspace

Permissions for the profit and loss dataset:  Build  
 Delete  
 Reshare

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: The Viewer role to the workspace

The Viewer role gives a read-only experience to its users. They can view dashboards, reports, or workbooks in the workspace, but can't browse the datasets or dataflows. Use

the Viewer role wherever you would previously use a classic workspace set to "Members can only view Power BI content".

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

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.

**NEW QUESTION 10**

HOTSPOT - (Topic 2)

How should you distribute the reports to the board? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Grant access by:

- Sharing individual reports
- Using a workspace membership
- Using an app

Grant access to:

- A dynamic distribution list
- A mail-enabled security group
- Individual user emails

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Using a workspace membership Scenario:

The company wants to provide a single package of reports to the board that contains custom navigation and links to supplementary information.

Note: Workspace is a shared environment for a group of people. You can have multiple Power BI content in a workspace. One workspace can have hundreds of dashboards, reports, and datasets in it.

Box 2: A mail-enabled security group Scenario: Security Requirements

The reports must be made available to the board from powerbi.com. A mail-enabled security group will be used to share information with the board.

**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 contributor (or more rights) they can create new reports (with live connection to the dataset). It is also stated that the new reports mustn't be shared so therefore no need to include them into the app. Import vs. DirectQuery: Due to RLS requirements an imported dataset is needed. It is not possible with file sources and Sharepoint lists.

**NEW QUESTION 14**

HOTSPOT - (Topic 3)

You need to design the data model and the relationships for the Customer Details worksheet and the Orders table by using Power BI. The solution must meet the report requirements.

For each of the following statement, select Yes if the statement is true, Otherwise, select No.

NOTE: Each correct selection is worth one point.

Answer Area

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

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

**NEW QUESTION 16**

- (Topic 3)

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

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

**Answer:** D

**Explanation:**

Composite Model means now you can have a model, that very large tables of that are coming from the DirectQuery connection, without the need for importing, and small tables to be imported to be accessible quickly.

**NEW QUESTION 17**

- (Topic 4)

You have a Power BI report

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

- A card that shows the number of records
- A bar chart that 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 21**

HOTSPOT - (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.

Cardinality:

Cross-filter direction:

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Box 1: One-to-many

Box 2: Both

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

Note:

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

**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.

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

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

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

**NEW QUESTION 25**

- (Topic 4)

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

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

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

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

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

Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

**NEW QUESTION 29**

- (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 32**

HOTSPOT - (Topic 4)

You have a power BI tenant that hosts the datasets shown in the following table.

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

You have the following requirements:

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

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

**Answer Area**

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

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

**NEW QUESTION 34**

- (Topic 4)

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

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



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

- Only show single-value visuals.
- Minimize scrolling.

What should you do?

- Remove the card visual, increase the size of the map and bar chart visuals
- Decrease the size of the map and bar chart visuals Move all the card visuals to the top of the layout.
- Move the bar chart visuals to the top of the layout Remove the map visual
- Decrease the size of the card visuals.
- Decrease the size of the card visual
- Remove the map and bar chart visuals.

**Answer:** D

**NEW QUESTION 39**

- (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?

- Publish the datasets in an app.
- Promote the datasets.
- Feature the dataset on the home page.
- Certify the datasets.

**Answer:** D

**NEW QUESTION 44**

- (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 actions:  
 ? 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 45**

DRAG DROP - (Topic 4)

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

	Column1	Column2	Column3	Column4	Column5	Column6
1	Department	Product	2016	2017	2018	2019
2	Bikes	Carbon mountainbike	1002815	1006617	1007814	1007239
3	Bikes	Aluminium road bike	1007024	1001454	1005842	1007105
4	Bikes	Touring bike	1003676	1005171	1001669	1003244
5	Accessories	Bell	76713	10247	60590	25927
6	Accessories	Bottle holder	26690	29613	67955	71466
7	Accessories	Satnav	83189	40113	71684	24697
8	Accessories	Mobilephone holder	68641	80336	58099	45706

You plan to create several visuals from the data, including a visual that shows revenue split by year and product. You need to transform the data to ensure that you can build the visuals. The solution must ensure that the columns are named appropriately for the data that they contain. Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

**Actions**

- Select Use Headers as First Row.
- Select Department and Product and Unpivot Other Columns.
- Select Use First Rows as Headers.
- Rename the third column as Year and the fourth column as Revenue.
- Select Department and Product and Unpivot Columns.
- Rename the third column as Revenue and the fourth column as Year.

.....

**Answer Area**

➤

➤

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

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

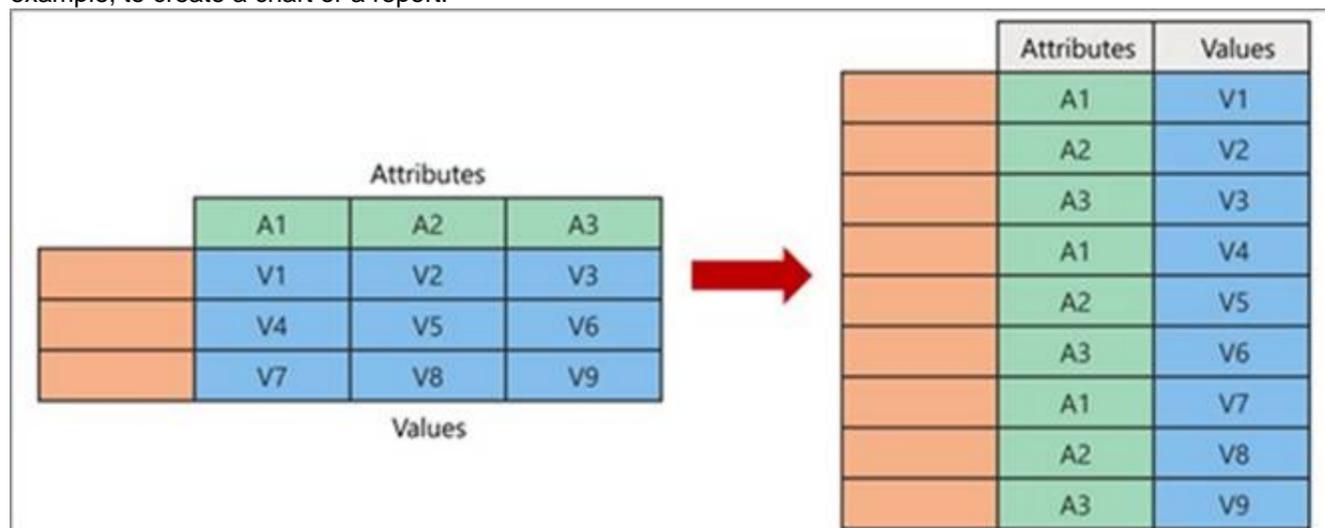


Chart Description automatically generated with medium confidence  
 When you unpivot, you unpack the attribute-value pairs that represent an intersection point of the new columns and re-orient them into flattened columns: Values (in blue on the left) are unpivoted into a new column (in blue on the right). Attributes (in green on the left) are unpivoted into a new column (in green on the right).

right) and duplicates are correspondingly mapped to the new Values column.

**NEW QUESTION 47**

HOTSPOT - (Topic 4)

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

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

You need to add a new column that contains the data in the format of nnn-xxx-nnnn. How should you complete the Query Editor formula? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

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

▼
Insert
Remove
Replace
ReplaceRange

(Text.

▼
At
End
Middle
Range

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

References:

<https://docs.microsoft.com/en-us/powerquery-m/text-replace> <https://docs.microsoft.com/en-us/powerquery-m/text-end>

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

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

- Due Date
- Order Date
- Delivery Date

You need to support the analysis of sales over time based on all three dates at the same time.

Solution; You create measures that use the USERELATIONSHIP DAX function to filter sales on the inactive relationships between the sales table and the date table.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**NEW QUESTION 53**

- (Topic 4)

You have a large dataset that contains more than 1 million rows. The table has a datetime column named Date.

You need to reduce the size of the data model. What should you do?

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

**Answer:** D

**Explanation:**

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

Reference:

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

**NEW QUESTION 54**

- (Topic 4)

You have a report that contains a donut chart and a clustered column chart. Interactions between the visuals use the default settings.

You need to modify the report so that when you select a column in the column chart, the donut chart redraws by using the data from the selected column. What should you do?

- A. Select the column chart and set the donut chart interaction to None.
- B. Select the column chart and set the donut chart interaction to Filter.
- C. Select the donut chart and set the column chart interaction to Filter.
- D. Select the donut chart and set the column chart interaction to None.

**Answer:** B

**NEW QUESTION 55**

- (Topic 4)

You have a BI dataset and a connected report.

You need to ensure that users can analyze data in Microsoft Excel by connecting directly to the dataset.

You grant the users the Build permission for dataset. What should you do next?

- A. Change default visual interaction for the report
- B. For the report change the Export data setting to Summarized data, data with current layout and underlying data
- C. For the report, change the Export data setting to None
- D. Certify the dataset used by the report.

**Answer:** B

**NEW QUESTION 56**

- (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 60**

HOTSPOT - (Topic 4)

You have a folder of monthly transaction extracts.

You plan to create a report to analyze the transaction data.

You receive the following email message: "Hi. I've put 24 files of monthly transaction data onto the shared drive. File Transactions201901.csv through Transactions201912.csv have the latest set of columns, but files Transactions201801.csv to Transactions201812.csv have an older layout without the extra fields needed for analysis. Each file contains 10 to 50 transactions."

You get data from the folder and select Combine & Load. The Combine Files dialog box is shown in the exhibit. (Click the Exhibit tab.)

### Combine Files

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

Sample File:

File Origin:  Delimiter:  Data Type Detection:

ID	Date	CustomerID	Amount
1	01/01/2018 08:00:00	5	28.99
2	01/01/2018 18:00:00	10	31.88
3	02/01/2018 08:00:00	15	22.99
4	02/01/2018 18:00:00	25	14.25
5	03/01/2018 08:00:00	35	85
6	03/01/2018 18:00:00	45	47.74
7	04/01/2018 08:00:00	55	76.66
8	04/01/2018 18:00:00	51	99.99
9	05/01/2018 08:00:00	52	10.99
10	05/01/2018 18:00:00	58	85

Skip files with errors

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

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Graphical user interface, text, application  
 Description automatically generated

Box 1: Yes

The four columns used in the 2018 transactions are already displayed.

Box 2: Yes

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

Box 3: Yes

Note: Under the hood, Power BI will automatically detect which delimiter to use, and may even promote the first row as headers. You can manually change the delimiter, or define how Power BI should handle data types. You can set it to automatically detect data types based on first 200 rows, or the entire dataset or you can even opt out the detection of data types.

**NEW QUESTION 61**

HOTSPOT - (Topic 4)

You are creating a column chart visualization.

You configure groups as shown in the Groups exhibit. (Click the Groups tab.)

### Groups

Name:  Field:

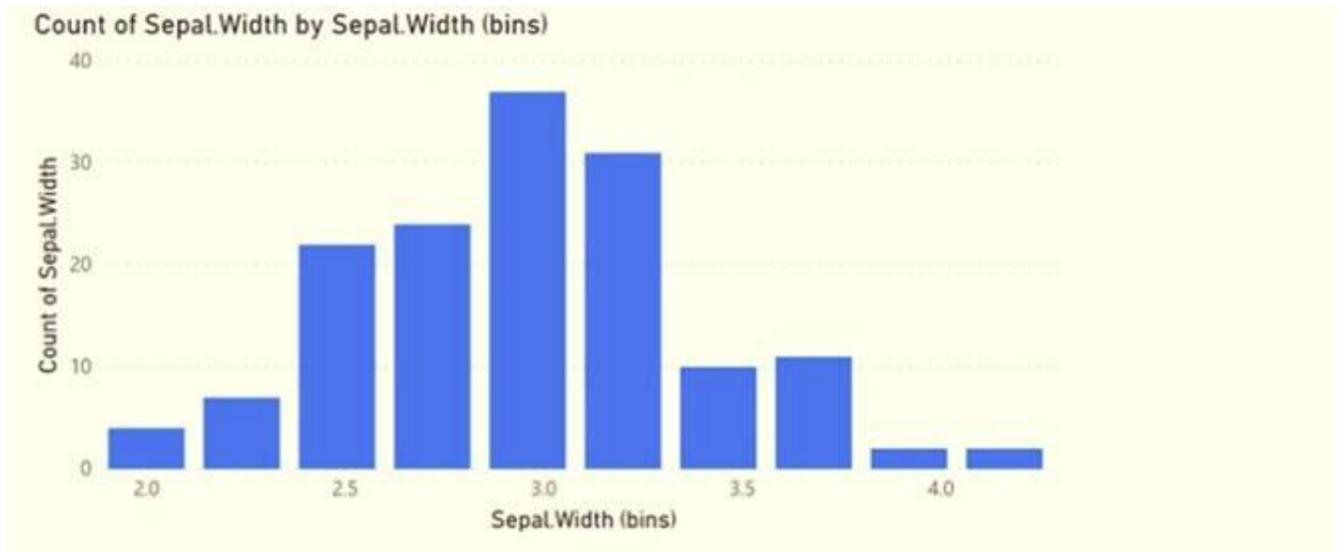
Group type:  Min value:

Bin Type:  Max value:

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

Bin count:  Bin size:

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



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

**Answer Area**

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

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

**NEW QUESTION 66**

- (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. The model contains the following DAX measure.

Total Sales = SUM(Sales[Sale])

You need to create another measure named Previous Quarter to display the sales one quarter before the selected period.

Which DAX calculation should you use?

- A. CALCULATE < [Total Sales], OATEADD (Date[Date], -1, QUARTER))
- B. CALCULATE ([Total Sales], DATESQTD (Date[Date]))
- C. TOTALQTD ([Total Sales], Date[Date])
- D. CALCULATE < [Total Sales], PARALLELPERIOO (Date[Date], 1, QUARTER))

**Answer:** A

**NEW QUESTION 71**

- (Topic 4)

You have a custom connector that returns ID, From, To, Subject, Body, and Has Attachments for every email sent during the past year. More than 10 million records are returned.

You build a report analyzing the internal networks of employees based on whom they send emails to.

You need to prevent report recipients from reading the analyzed emails. The solution must minimize the model size.

What should you do?

- A. Implement row-level security (RLS) so that the report recipients can only see results based on the emails they sent.
- B. Remove the Subject and Body columns during the import.
- C. From Model view, set the Subject and Body columns to Hidden.

**Answer: B**

**NEW QUESTION 75**

- (Topic 4)

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

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

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

- ? Due Date
- ? Order Date
- ? Delivery Date

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

Solution: From Power Query Editor, you rename the date query as Due Date. You reference the Due Date query twice to make the queries for Order Date and Delivery Date.

Does this meet the goal?

- A. Yes
- B. No

**Answer: A**

**Explanation:**

Creating two additional tables in Power Query can be a possible solution: Remove any inactive relationships.

Consider renaming the role-playing dimension-type table to better describe its role. In the example, the Airport table is related to the ArrivalAirport column of the Flight table, so it's renamed as Arrival Airport.

Create a copy of the role-playing table, providing it with a name that reflects its role. If it's an Import table, we recommend defining a calculated table. If it's a DirectQuery table, you can duplicate the Power Query query.

In the example, the Departure Airport table was created by using the following calculated table definition.

**NEW QUESTION 76**

- (Topic 4)

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

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

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

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

The dataset takes a long time to refresh.

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

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

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

**Answer:** DE

**NEW QUESTION 78**

HOTSPOT - (Topic 4)

You plan to create a Power BI dataset to analyze attendance at a school. Data will come from two separate views named View1 and View2 in an Azure SQL database. View1 contains the columns shown in the following table.

Name	Data type
Attendance Date	Date
Student ID	Bigint
Period Number	Tinyint
Class ID	Int

View2 contains the columns shown in the following table.

Name	Data type
Class ID	Bigint
Class Name	Varchar(200)
Class Subject	Varchar(100)
Teacher ID	Int
Teacher First Name	Varchar(100)
Teacher Last Name	Varchar(100)
Period Number	Tinyint
School Year	Varchar(50)
Period Start Time	Time
Period End Time	Time

The views can be related based on the Class ID column.

Class ID is the unique identifier for the specified class, period, teacher, and school year. For example, the same class can be taught by the same teacher during two different periods, but the class will have a different class ID.

You need to design a star schema data model by using the data in both views. The solution must facilitate the following analysis:

- ? The count of classes that occur by period
- ? The count of students in attendance by period by day
- ? The average number of students attending a class each month

In which table should you include the Teacher First Name and Period Number fields? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

**Answer Area**

Teacher First Name:

- Attendance fact
- Class dimension**
- Teacher dimension
- Teacher fact

Period Number:

- Attendance fact
- Class dimension
- Period dimension
- Period fact

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Teacher dimension Class dimension

**NEW QUESTION 83**

- (Topic 4)

You have an app workspace that contains a dashboard and four reports. All the reports are generated from a single dataset that contains sales data for your company.

The reports display the data configured as shown in the following table.

Report name	Data displayed	Data characteristic
Sales Data1	Sales from the start of 2013 to the end of 2015	The company was owned by another company named Contoso, Ltd. from 2013 to 2015
Sales Data2	Sales from the start of 2011 to the end of 2016	The company changed the line of products sold frequently from 2011 to 2016
Sales Data3	Sales from the start of 2016 to the end of 2017	The company hired new management that started in 2016
Sales Data4	Sales from the start of 2011 to the end of 2014	The company was being sued by a competitor from 2011 to 2014

You need to ensure that the users of the reports can locate the correct report by using natural language queries. What should you do?

- A. From the properties of the dataset, create four Featured Q&A Questions.
- B. From the Format settings of the reports, modify the Page Information.
- C. From the properties of the dataset, modify the Q&A and Cortana settings.
- D. From the properties of the workspace, modify the Language Settings.

**Answer: C**

**Explanation:**

References: <https://docs.microsoft.com/en-us/power-bi/service-q-and-a-direct-query#limitations-during-public-preview>

**NEW QUESTION 87**

FILL IN THE BLANK - (Topic 4)

You have a Power 31 data model that contains a table named Stores. The table has the following columns:

- \* Store Name
- \* Open Date
- \* Status
- \* State
- \* City

You need to create a calculated column named Active Store Name that meets the following requirements:

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Answer is as below

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

**NEW QUESTION 90**

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

You need to prepare the data to support the following:

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

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

Actions	Answer Area
Rename the Attribute column as Year	
Rename the Measure column as Year	
Use the first row as headers	⤴
Use headers as the first row	⤵
Unpivot all the columns other than Measure	
Transpose the table	
Change the data type of the Year column to Date	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Actions	Answer Area
Rename the Attribute column as Year	
Rename the Measure column as Year	
Use the first row as headers	⤴
Use headers as the first row	⤵
Unpivot all the columns other than Measure	⤴
Transpose the table	
Change the data type of the Year column to Date	⤵

**NEW QUESTION 93**

- (Topic 4)

You attempt to connect Purer 81 Desktop to a Cassandra database. From the Get Data connector list you discover that there is no specific connector for the Cassandra database, You need to select an alternate data connector that will connect to the database. Which of connector should you choose?

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

**Answer:** B

**NEW QUESTION 95**

- (Topic 4)

You have a Power BI workspace that contains several reports. You need to provide a user with the ability to create a dashboard that will use the visuals from the reports. What should you do?

- A. Grant the Read permission for the datasets to the user.
- B. Add the user as a Viewer of the workspace.
- C. Share the reports with the user.
- D. Create a row-level security (RLS) role and add the user to the role.
- E. Add the user as a member of the workspace.

**Answer:** B

**NEW QUESTION 100**

- (Topic 4)

You need to provide a user with the ability to add members to a workspace. The solution must use the principle of least privilege.

Which role should you assign to the user?

- A. Viewer
- B. Contributor
- C. Member
- D. Admin

**Answer: C**

**Explanation:**

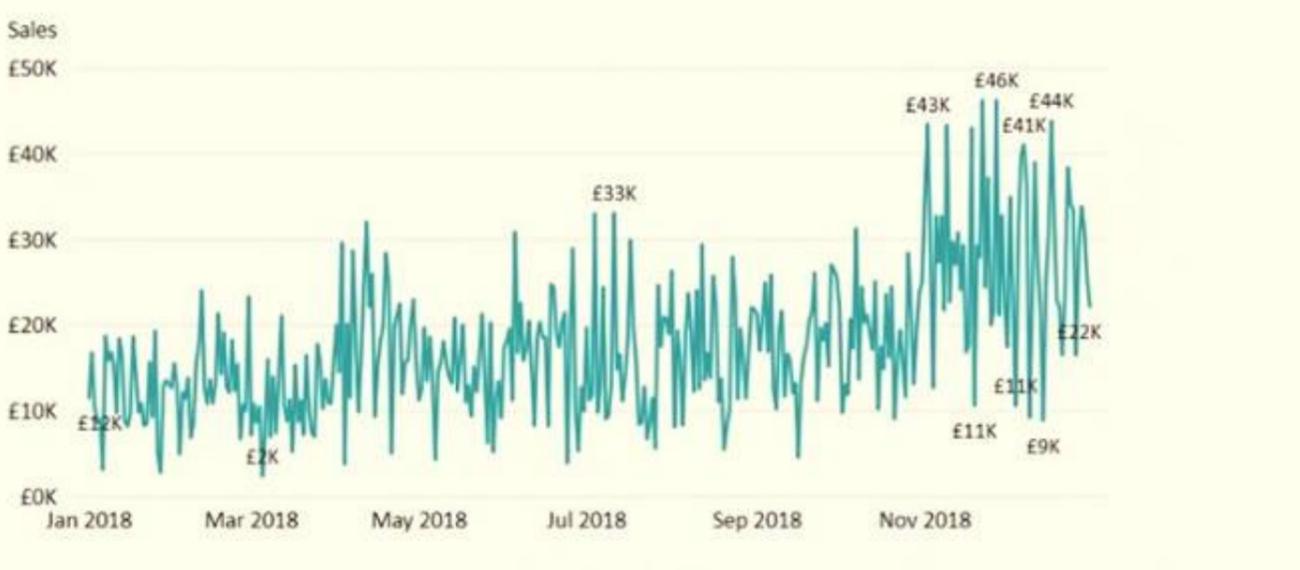
A Member can add members or others with lower permissions. Note:

Capability	Admin	Member	Contributor	Viewer
Update and delete the workspace.	✓			
Add/remove people, including other admins.	✓			
Allow Contributors to update the app for the workspace	✓			
Add members or others with lower permissions.	✓	✓		

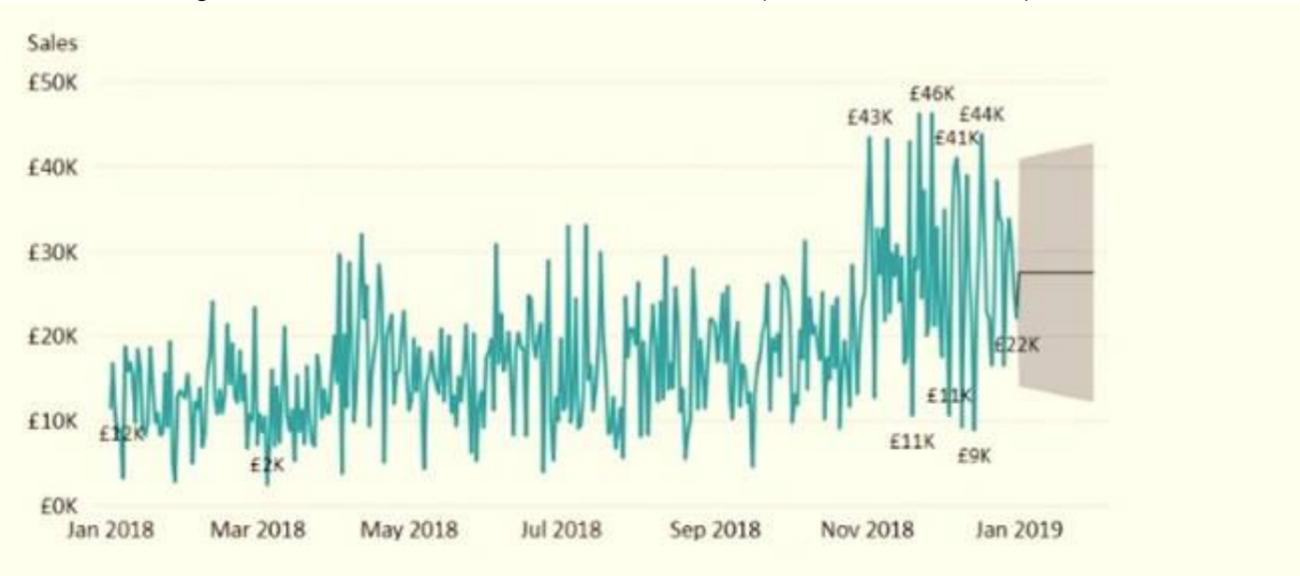
**NEW QUESTION 104**

- (Topic 4)

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



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



What should you add to the visual?

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

**Answer: C**

**Explanation:**

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



Timeline Description automatically generated with low confidence

Reference:

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

**NEW QUESTION 107**

- (Topic 4)

For the sales department at your company, you publish a Power BI report that imports data from a Microsoft Excel file located in a Microsoft SharePoint folder. The data model contains several measures. You need to create a Power BI report from the existing data. The solution must minimize development effort. Which type of data source should you use?

- A. a SharePoint folder
- B. Power BI dataflows
- C. an Excel workbook
- D. Power BI dataset

**Answer:** A

**Explanation:**

The case states there is already a report published and the data model contains measures. Therefore, in order to be able to use the measures in the data model, you should connect to the existing dataset (which was created when you published the report) instead of starting from scratch with the files in the SharePoint folder.

**NEW QUESTION 109**

HOTSPOT - (Topic 4)

You are using Power BI Desktop to connect to an Azure SQL database. The connection is configured as shown in the following exhibit.

**SQL Server database**

Server

Database (optional)

Data Connectivity mode  Import  DirectQuery

Advanced options

Command timeout in minutes (optional)

SQL statement (optional, requires database)

Include relationship columns

Navigate using full hierarchy

Enable SQL Server Failover support

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 solution is worth one point.

The default timeout for the connection from Power BI Desktop to the database will be [answer choice].

unlimited  
 one minute  
 10 minutes

The Navigator will display [answer choice].

all the tables  
 only tables that contain data  
 only tables that contain hierarchies

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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

The following table lists all of the advanced options you can set in Power Query Desktop and Power Query Online.

Advanced option Description

Command timeout in minutes

If your connection lasts longer than 10 minutes (the default timeout), you can enter another value in minutes to keep the connection open longer. This option is only available in Power Query Desktop.

SQL statement

For information, go to Import data from a database using native database query. Include relationship columns

If checked, includes columns that might have relationships to other tables. If this box is cleared, you won't see those columns.

Navigate using full hierarchy

If checked, the navigator displays the complete hierarchy of tables in the database you're connecting to. If cleared, the navigator displays only the tables whose columns and rows contain data.

Enable SQL Server Failover support

If checked, when a node in the Azure SQL failover group isn't available, Power Query moves from that node to another when failover occurs. If cleared, no failover occurs.

**NEW QUESTION 111**

FILL IN THE BLANK - (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.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer as below

**Answer Area**

```

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

**NEW QUESTION 112**

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.

**Actions**

**Answer Area**

- Pin items from the reports to the dashboard.
- Rearrange, resize, or remove items from the phone view.
- Change the dashboard view to **Phone view**.
- Open the dashboard.
- Create a phone layout for the existing reports.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

**Actions**

**Answer Area**

- Pin items from the reports to the dashboard.
- Rearrange, resize, or remove items from the phone view.
- Change the dashboard view to **Phone view**.
- Open the dashboard.
- Create a phone layout for the existing reports.



- Pin items from the reports to the dashboard.
- Open the dashboard.
- Change the dashboard view to **Phone view**.
- Rearrange, resize, or remove items from the phone view.

**NEW QUESTION 115**

- (Topic 4)

In Power BI Desktop, you are creating a report that will contain three pages. You need to create a custom tooltip page and prepare the page for use. Which three actions should you perform? Each correct answer presents part of the solution.

- A. Configure filters on the target visual.
- B. For the target page, set Allow use as tooltip to On.
- C. Add and configure visuals on the tooltip page.
- D. For the tooltip page, set Allow use as tooltip to On.
- E. For the tooltip page, configure filters.

Answer: BCD

Explanation:

You can create a custom tooltip page that shows more details about the selected category, such as this:

To create a custom tooltip page and prepare it for use, you need to perform these three actions:

- ? Add and configure visuals on the tooltip page. You can add any visuals, images, or other items that you want to show on the tooltip page. You can also format them as you like.
- ? For the tooltip page, set Allow use as tooltip to On. This will enable Power BI to recognize this page as a tooltip page. You can also change the Page size to Tooltip to fit your content better.
- ? For the target visual, set Tooltip type to Report page. This will allow you to select which report page you want to use as a custom tooltip for your visual. You can also filter your tooltip by fields from your target visual.

**NEW QUESTION 117**

- (Topic 4)

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

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

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

**Answer: C**

**NEW QUESTION 120**

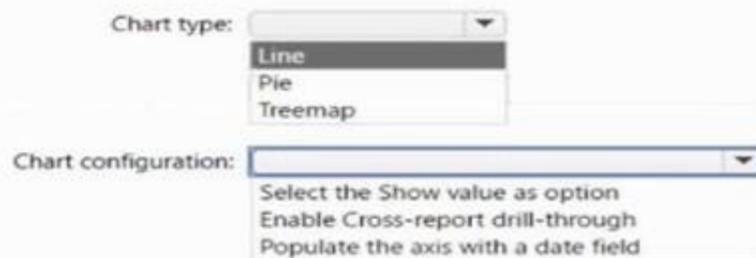
HOTSPOT - (Topic 4)

You have a dataset that contains revenue data from the past year.

You need to use anomaly detection in Power BI to show anomalies in the dataset.

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

**Answer Area**

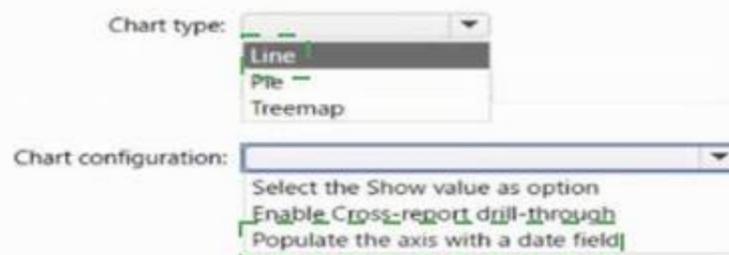


- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

**Answer Area**



**NEW QUESTION 124**

- (Topic 4)

You have a Power BI dataset named Finance that is hosted in a Power BI workspace.

The finance team at your company is NOT currently a member of any Power BI workspace roles.

You need to enable the finance team to use Microsoft Excel to analyze the Finance dataset.

What should you do?

- A. Create a row-level security (RLS) role and add the finance team to the role as members.
- B. Provide an Excel workbook that is connected to the Finance dataset.
- C. Grant the finance team write permissions to the Finance dataset.
- D. Grant the finance team build permissions to the Finance dataset.

**Answer: D**

**NEW QUESTION 127**

- (Topic 4)

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

You need to change the connections in the PBIX file. The solution must minimize administrative effort.

What should you do?

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

**Answer: D**

**NEW QUESTION 128**

- (Topic 4)

From Power BI Desktop, you publish a new dataset and report to a Power BI 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 BI Desktop, change the Row-Level Security settings.
- B. From Power BI 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 129**

- (Topic 4)

You have a Microsoft Power BI report. The size of PBIX file is 550 MB. The report is accessed by using an App workspace in shared capacity of powerbi.com. The report uses an imported dataset that contains one fact table. The fact table contains 12 million rows. The dataset is scheduled to refresh twice a day at 08:00 and 17:00.

The report is a single page that contains 15 custom visuals and 10 default visuals.

Users say that the report is slow to load the visuals when they access and interact with the report

You need to recommend a solution to improve the performance of the report. What should you recommend?

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

**Answer: A**

**NEW QUESTION 133**

DRAG DROP - (Topic 4)

You have a folder that contains 100 CSV files.

You need to make the file metadata available as a single dataset by using Power Bi The solution must NOT store the data of the CSV files.

Which three actions should you perform in sequence. To answer, mow the appropriate actions from the list of actions to the answer area and arrange them m 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.

Actions	Answer Area
From Power Query Editor, remove the Attributes column.	
From Power Query Editor, remove the Content column.	
From Power BI Desktop, select Get Data, and then select Text/CSV.	
From Power BI Desktop, select <b>Get Data</b> , and then select Folder.	
From Power Query Editor, expand the Attributes column.	
From Power Query Editor, combine the Content column.	

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

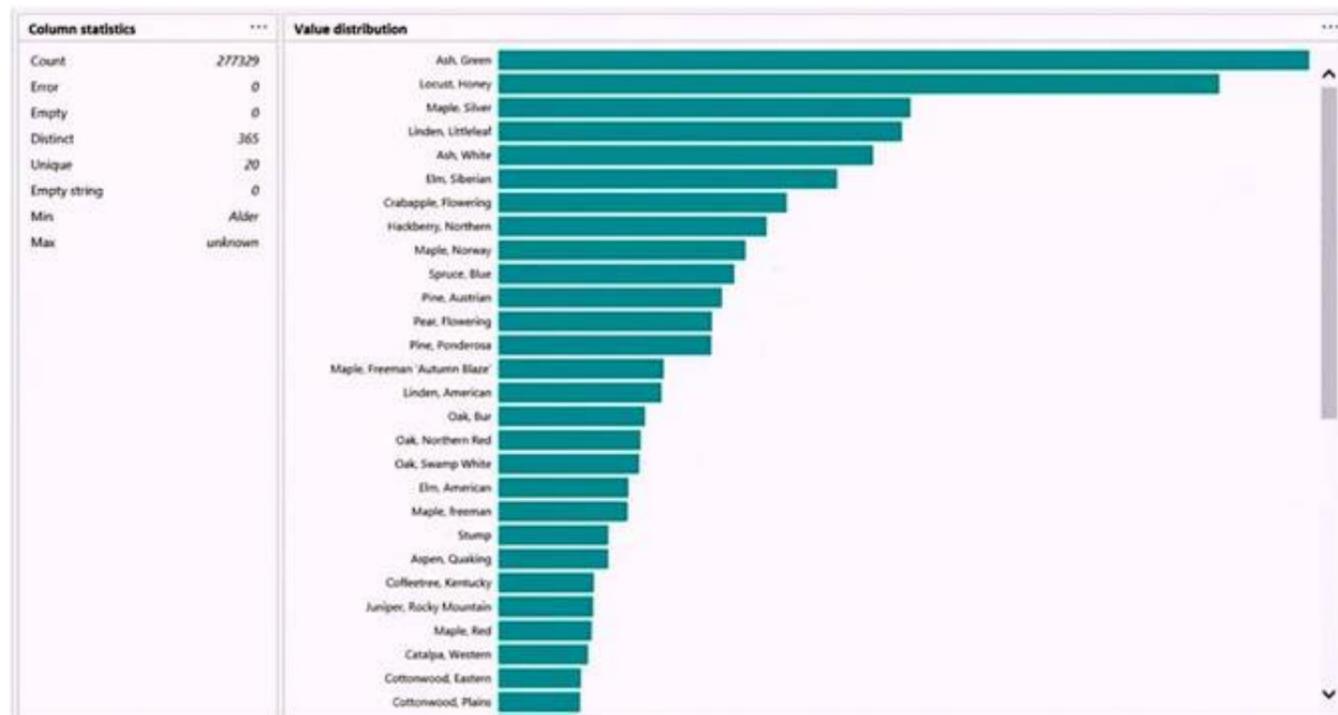
From Power BI Desktop, select Get Data, and then select Folder. From Power Query Editor, remove the Content column. From Power Query Editor, expand the Attributes column.

**NEW QUESTION 138**

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.

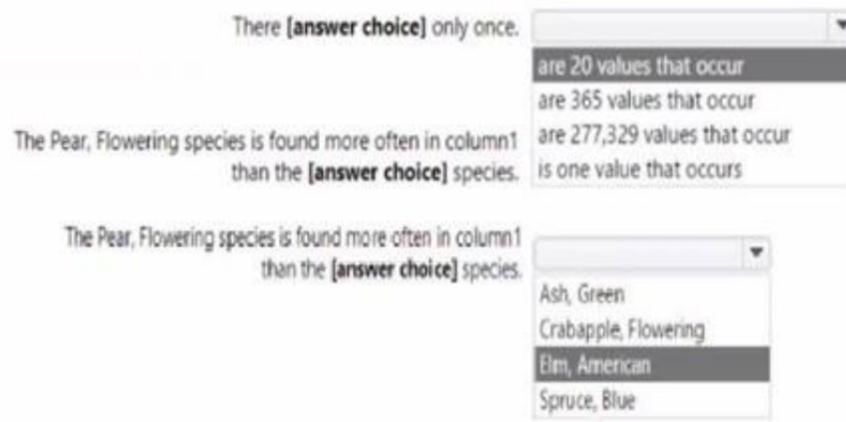


Answer Area

There [answer choice] only once.

The Pear, Flowering species is found more often in column1 than the [answer choice] species.

The Pear, Flowering species is found more often in column1 than the [answer choice] species.



- A. Mastered
- B. Not Mastered

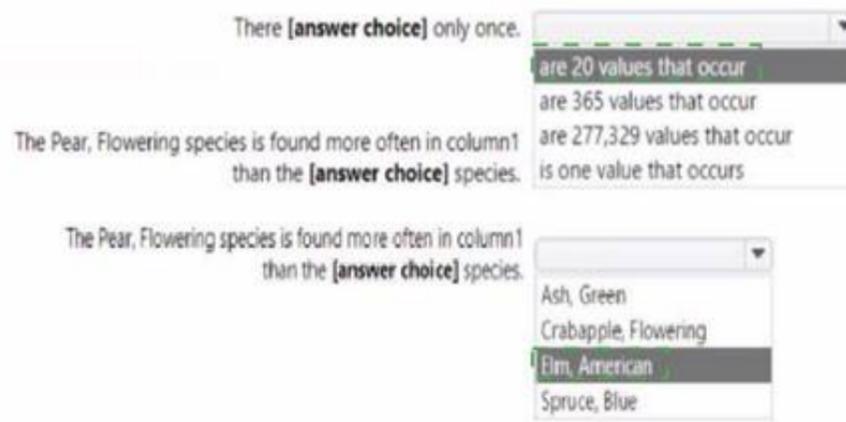
**Answer:** A

**Explanation:**  
 Answer Area

There [answer choice] only once.

The Pear, Flowering species is found more often in column1 than the [answer choice] species.

The Pear, Flowering species is found more often in column1 than the [answer choice] species.



**NEW QUESTION 139**

- (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 140**

- (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 143**

HOTSPOT - (Topic 4)

You have a Power BI report. You have the following tables.

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

You have the following DAX measure.

```
Accounts :=
CALCULATE (
```

Answer Area

Statements

- A table visual that displays the date hierarchy at the year level and the [Accounts] measure will show the total number of accounts that were live throughout the year.
- A table visual that displays the date hierarchy at the month level and the [Accounts] measure will show the total number of accounts that were live throughout the month.
- A table visual that displays the date hierarchy at the day level and the [Accounts] measure will show the total number of accounts that were live that day.

- | Yes                   | No                    |
|-----------------------|-----------------------|
| <input type="radio"/> | <input type="radio"/> |
| <input type="radio"/> | <input type="radio"/> |
| <input type="radio"/> | <input type="radio"/> |

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

**Answer Area**

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

**NEW QUESTION 145**

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.

**Answer Area**

Option to use to combine the Customer tables:	<div style="border: 1px solid black; padding: 5px;">                 Append Queries                  Append Queries as New                  Merge Queries                  Merge Queries as New             </div>
Action to perform on the original two SQL database queries:	<div style="border: 1px solid black; padding: 5px;">                 Delete the queries.                  Disable including the query in report refresh.                  Disable loading the query to the data model.                  Duplicate the queries.             </div>

- 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 148**

HOTSPOT - (Topic 4)

The data model must support the following analysis:

? Total sales by product by month in which the order was placed

? Quantities sold by product by day on which the order was placed

? Number Of sales transactions by quarter in Which the order was placed

For each Of the following statements, select Yes if the statement is true. Otherwise, select NO.

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

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

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

**NEW QUESTION 150**

- (Topic 4)

You have a Microsoft SharePoint Online site that contains several document libraries. One of the document libraries contains manufacturing reports saved as

Microsoft Excel files. All the manufacturing reports have the same data structure.  
 You need to load only the manufacturing reports to a table for analysis. What should you do in Microsoft Power BI Desktop?

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

**Answer: B**

**Explanation:**

We have to import Excel files from SharePoint, so we need the connector SharePoint folder which is used to get access to the files stored in the library. SharePoint list is a collection of content that has rows and columns (like a table) and is used for task lists, calendars, etc. Since we have to filter only on manufacturing reports, we have to select Transform and then filter by the corresponding folder path.  
<https://docs.microsoft.com/en-us/power-query/connectors/sharepointlist>

**NEW QUESTION 152**

- (Topic 4)

You embed a Power BI report in a Microsoft SharePoint Online page.

A user name User1 can access the SharePoint Online page, but the Power BI web part displays the following error message: "This content isn't available". User1 is unable to view the report.

You verify that you can access the SharePoint Online page and that the Power BI report displays as expected.

You need to ensure that User1 can view the report form SharePoint Online. What should you do?

- A. Publish the app workspace.
- B. Edit the settings of the Power BI web part.
- C. Modify the members of the app workplace.
- D. Share the dashboards in the app workspace.

**Answer: C**

**Explanation:**

References: <https://docs.microsoft.com/en-us/power-bi/service-embed-report-spo>

**NEW QUESTION 155**

- (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 160**

- (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 161**

- (Topic 4)

You have a project management app that is fully hosted in Microsoft Teams. The app was developed by using Microsoft Power Apps. You need to create a Power BI report that connects to the project management app. Which connector should you select?

- A. Microsoft Teams Personal Analytics
- B. SQL Server database
- C. Dataverse
- D. Dataflows

**Answer: C**

**NEW QUESTION 162**

- (Topic 4)

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

No anomalies are detected  
 You need to increase the likelihood that anomaly detection will identify anomalies in the report.  
 What should you do?

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

**Answer: B**

**Explanation:**

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

**NEW QUESTION 167**

- (Topic 4)

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

**ERROR [08001] timeout expired**

You need to resolve the error.

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

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

**Answer: BD**

**NEW QUESTION 170**

DRAG DROP - (Topic 4)

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

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

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

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

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

**Actions**

Select the Month and MonthNumber columns.

Select **Transpose**.

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

Select **Unpivot other columns**.

Select the 2019, 2020, and 2021 columns.

**Answer Area**

➤

➤

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

**Actions**

Select the Month and MonthNumber columns.

Select **Transpose**.

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

Select **Unpivot other columns**.

Select the 2019, 2020, and 2021 columns.

**Answer Area**

➤

➤

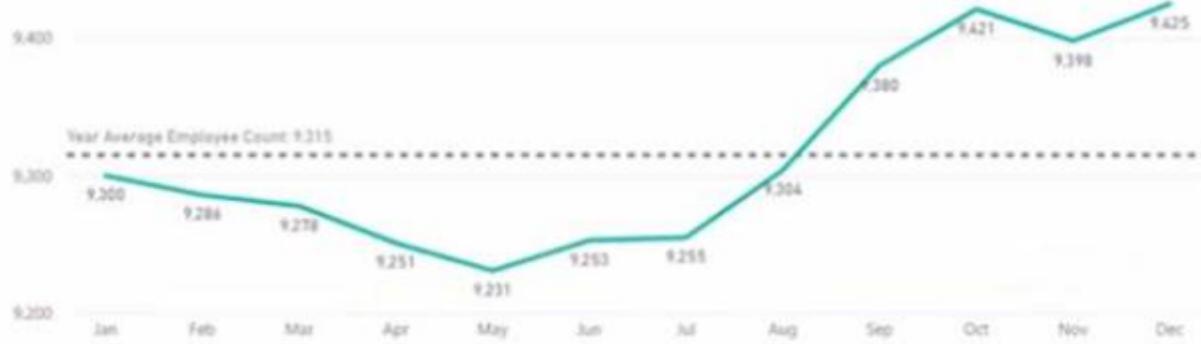
**NEW QUESTION 172**

FILL IN THE BLANK - (Topic 4)

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

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

Prior Year Employee Count By Month



NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer as selected

**Answer Area**

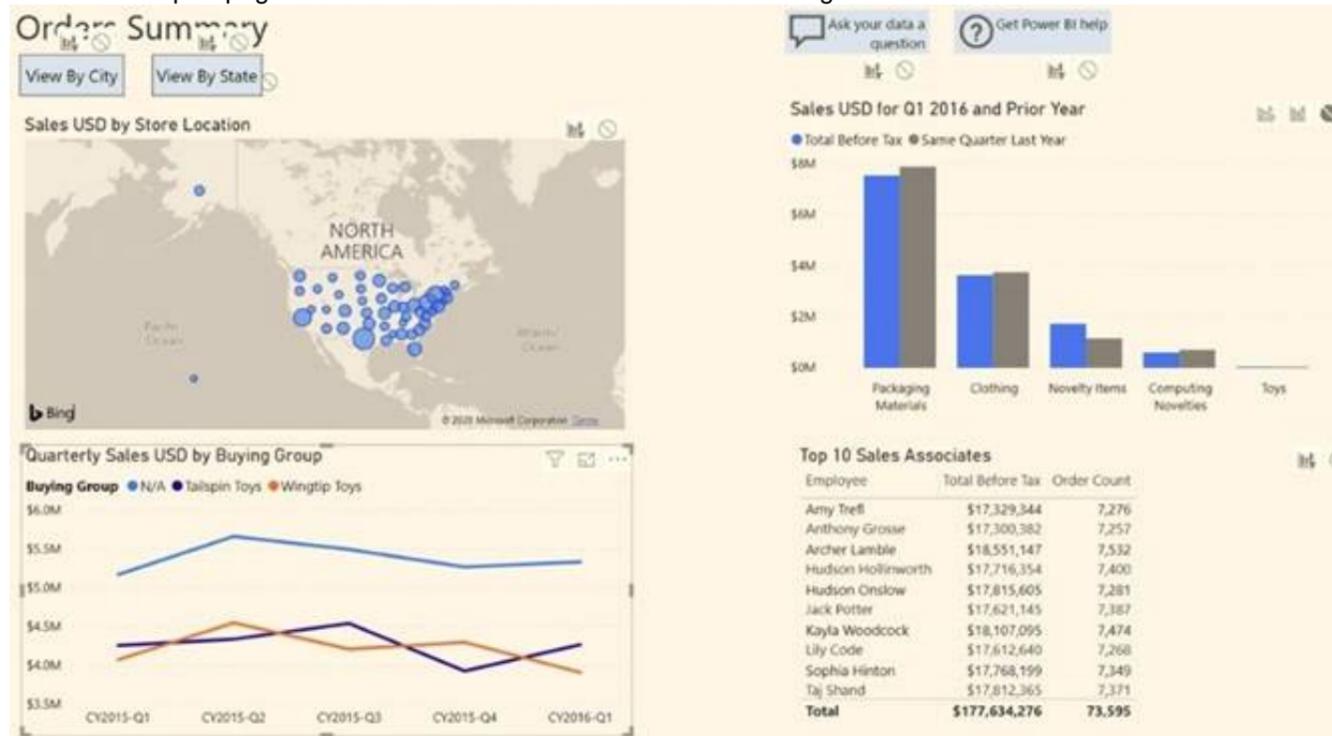
The dashed line representing the Year Average Employee Count was created by using [answer choice]. an average reference line

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

**NEW QUESTION 177**

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.

**Answer Area**

Selecting a quarter on the line chart will [answer choice] the clustered column chart. cross-filter  
cross-highlight  
not affect

Selecting a data point on the Tailspin Toys line on the line chart will [answer choice] the map. cross-filter  
cross-highlight  
not affect

- A. Mastered
- B. Not Mastered

**Answer:** A

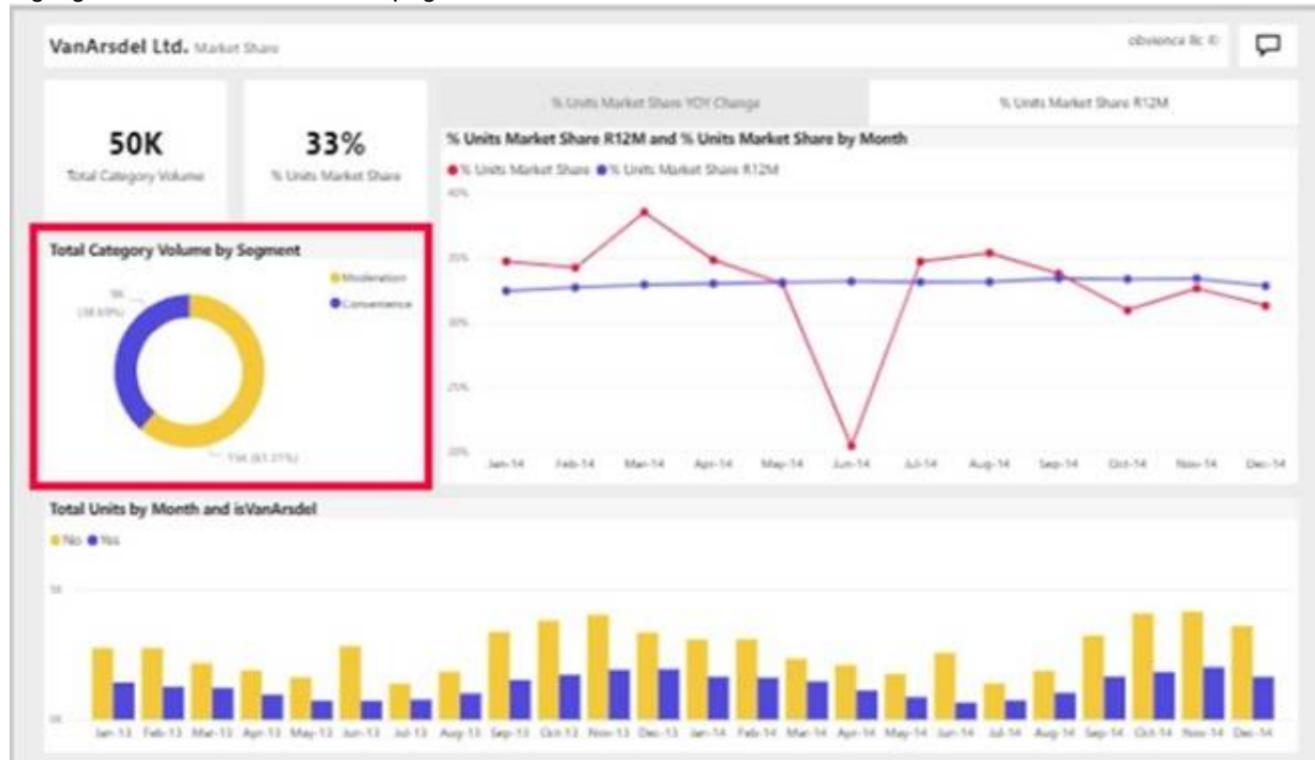
**Explanation:**

Box 1: cross-filter

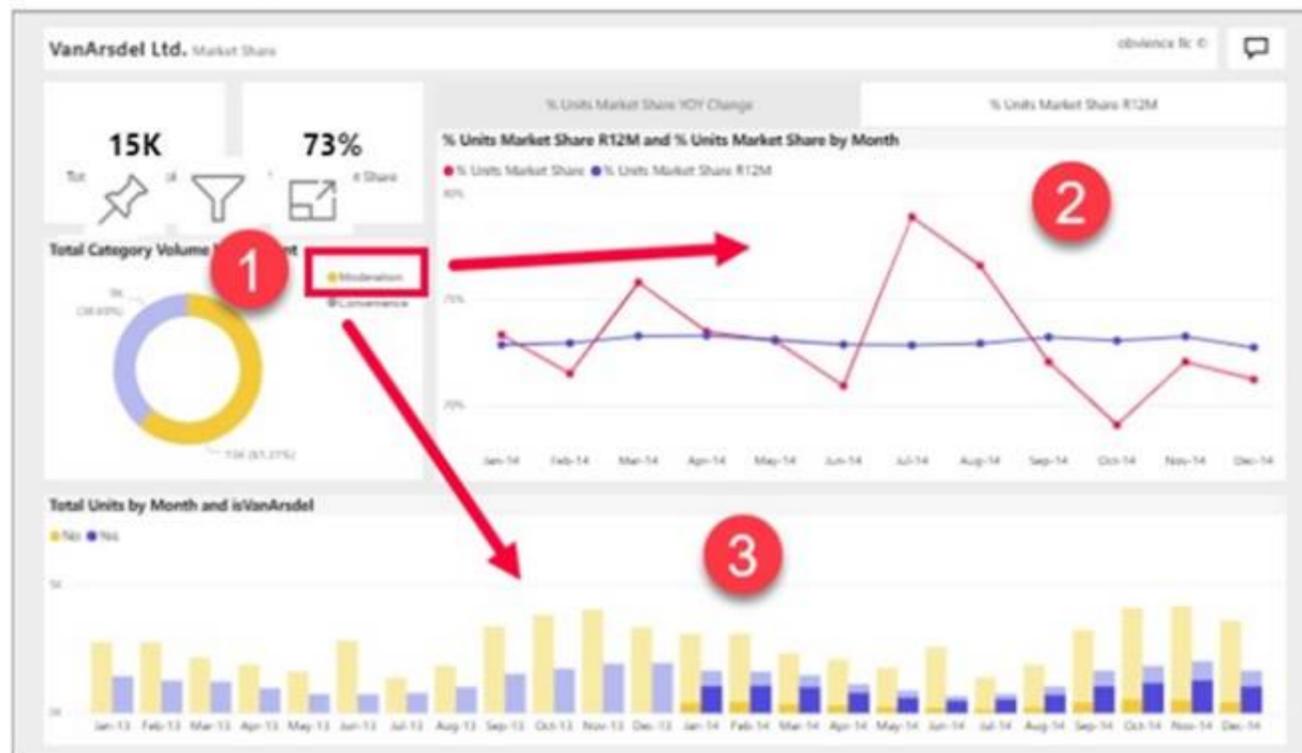
By default, selecting a data point in one visual on a report page will cross-filter or cross-highlight the other visuals on the page.

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 178**

- (Topic 4)

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

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

You import the tables.

Which relationship should you use to link the tables?

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

**Answer:** A

**Explanation:**

Each customer can have many transactions.  
 For each transaction there is exactly one customer.

**NEW QUESTION 182**

- (Topic 4)

You have a Power BI report that contains the visuals shown in the following table.

Type	Horizontal coordinate	Vertical coordinate
Table	300	200
Clustered column chart	700	200
Slicer	20	100

You need to modify the location of each visual. What should you modify for each visual?

- A. the layer order
- B. the padding
- C. the position
- D. the tab order

**Answer:** C

**NEW QUESTION 186**

DRAG DROP - (Topic 4)

You have a Power BI 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 189**

- (Topic 4)

In the Power BI service, you create an app workplace that contains several dashboards.

You need to provide a user named user1@contoso.com with the ability to edit and publish dashboards.

What should you do?

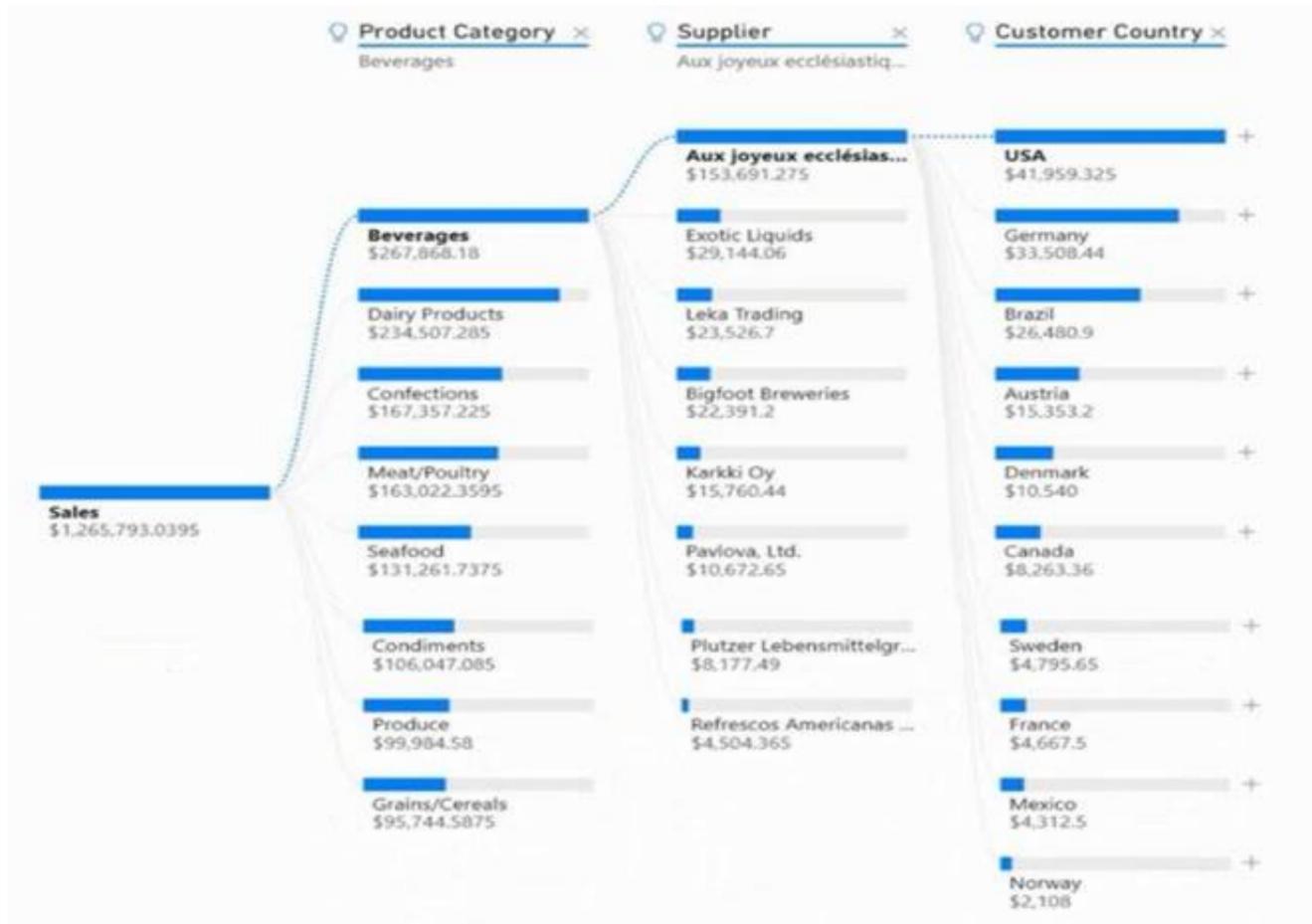
- A. Modify the members of the app workspace.
- B. Configure security for the dataset used by the app.
- C. Share the dashboard, and then modify the Access settings of the dashboard.
- D. From the app workspace, click Update app, and then configure the Access settings.

**Answer:** C

**NEW QUESTION 194**

- (Topic 4)

You need to create a visual that enables the adhoc exploration of data as shown in the following exhibit.



Which type of visual should you use?

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

**Answer: B**

**NEW QUESTION 196**

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]),
```

```
( 'financials' [Date].[Date], -1, QUARTER)
```

▼

CALCULATE  
 CALCULATETABLE  
 DATEADD  
 DIVIDE  
 FILTER  
 FIND

)

RETURN

```
(SUM('financials' [Sales]) - PREV_QUARTER, PREV_QUARTER)
```

▼

CALCULATE  
 CALCULATETABLE  
 DATEADD  
 DIVIDE  
 FILTER  
 FIND

)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: CALCULATE

Box 2: DATEADD

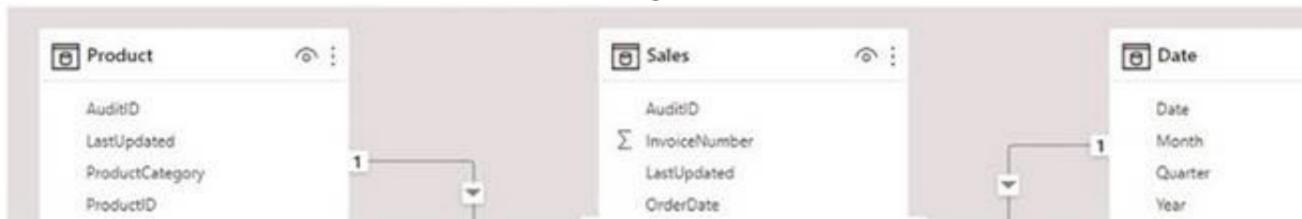
Box 3: DIVIDE

```
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 199**

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.	<input type="radio"/>	<input type="radio"/>
Removing the ProductID column from the Sales table reduces the model size while still supporting the required analysis.	<input type="radio"/>	<input type="radio"/>
Removing the ShipDate column from the Sales table reduces the model size while still	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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

**NEW QUESTION 200**

- (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](https://dash-intel.com/powerbi/statistical_functions_percentile.php)

**NEW QUESTION 204**

- (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 208

- (Topic 4)

You have a Power BI 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 209

- (Topic 4)

You are building a Power BI 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 Items 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 213

- (Topic 4)

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

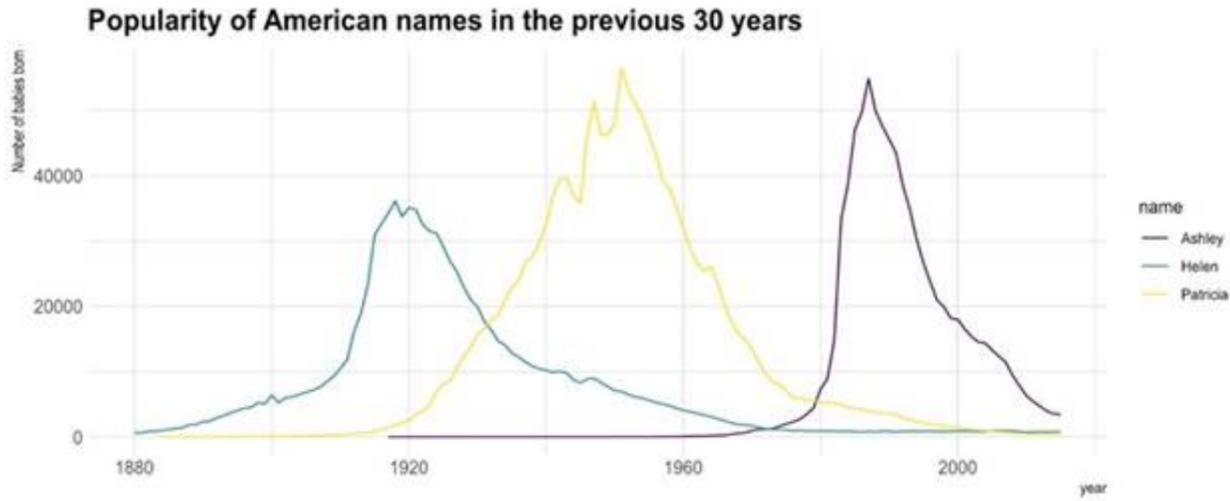
- A. stacked area chart
- B. donut chart
- C. line chart
- D. waterfall chart

**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 215**

HOTSPOT - (Topic 4)

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

\*Sales By Postal Code

\*Sales by Month

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

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

**Chain**

Fashions Direct | Lindseys

Sales By Postal Code | Sales By Month

**This Year Sales by PostalCode**

The map displays sales data for various cities and states. Blue circles of varying sizes represent sales volume at different locations. Key cities labeled include Detroit, Toledo, Cleveland, Columbus, Cincinnati, Washington, and Annapolis. States shown include Pennsylvania, West Virginia, Maryland, Delaware, and New Jersey. The map is sourced from Bing and includes a copyright notice for 2021.

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



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

NOTE: Each correct selection is worth one point.

**Answer Area**

Minimum number of bookmarks:

1
2
3
4

Property:

Data
Display
Current page

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: 2  
 Box 2: Display

**NEW QUESTION 217**

HOTSPOT - (Topic 4)

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

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

There is a relationship between the tables.

You plan to publish a report to the Power BI service that displays Order\_amount by Order\_date by Full\_name.

You need to ensure that only the columns required for the report appear in Report View. The solution must minimize the size of the dataset that is published. How should you configure the columns in Power BI Desktop? To answer, select the appropriate options in the answer area.  
 NOTE: Each correct selection is worth one point.

Customer\_ID:  From Query Editor, select the column and click Remove Columns.  
 From Query Editor, select the column and click Remove Duplicates.  
 From Query Editor, select the column and click Remove Other Columns.  
 From the model, select the column and click Hide.

Customer\_Photo:  From Query Editor, select the column and click Remove.  
 From Query Editor, select the column and click Remove Duplicates.  
 From Query Editor, select the column and click Remove Other Columns.  
 From the model, select the column and click Hide.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Customer\_ID:  From Query Editor, select the column and click Remove Columns.  
 From Query Editor, select the column and click Remove Duplicates.  
 From Query Editor, select the column and click Remove Other Columns.  
 From the model, select the column and click Hide.

Customer\_Photo:  From Query Editor, select the column and click Remove.  
 From Query Editor, select the column and click Remove Duplicates.  
 From Query Editor, select the column and click Remove Other Columns.  
 From the model, select the column and click Hide.

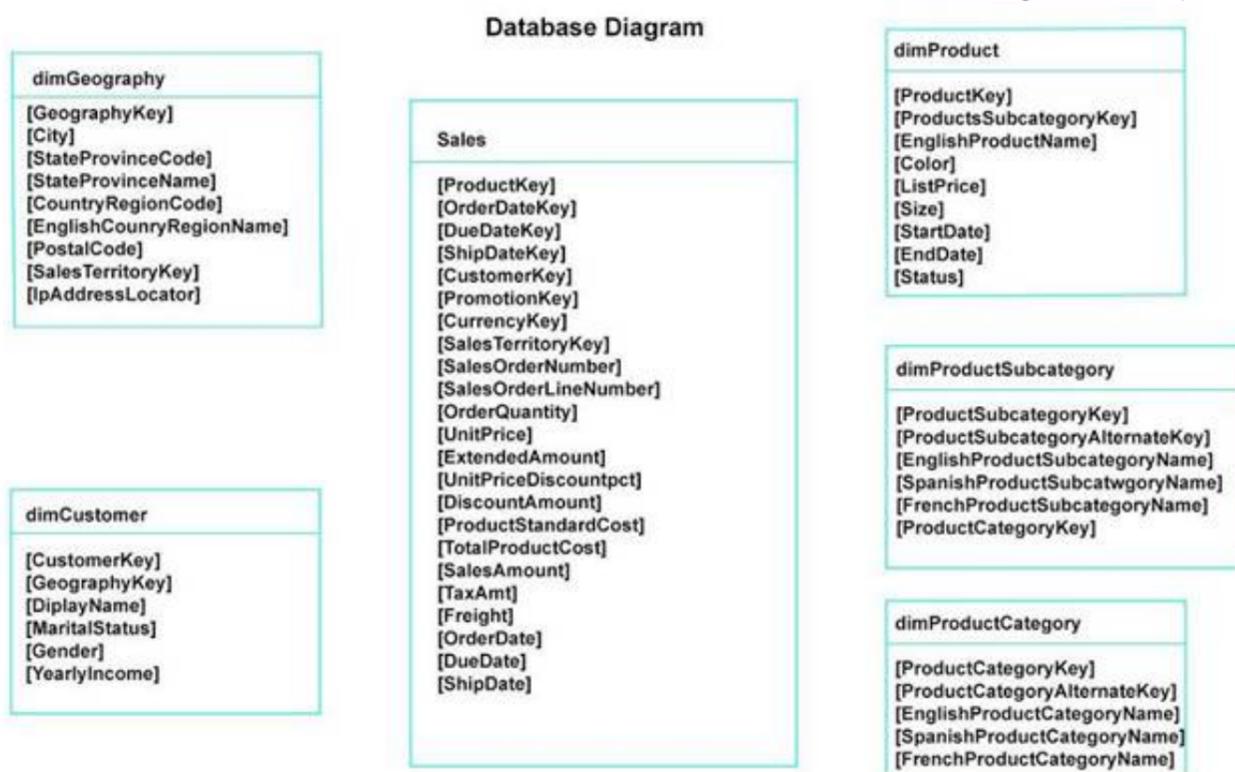
**NEW QUESTION 222**

DRAG DROP - (Topic 4)

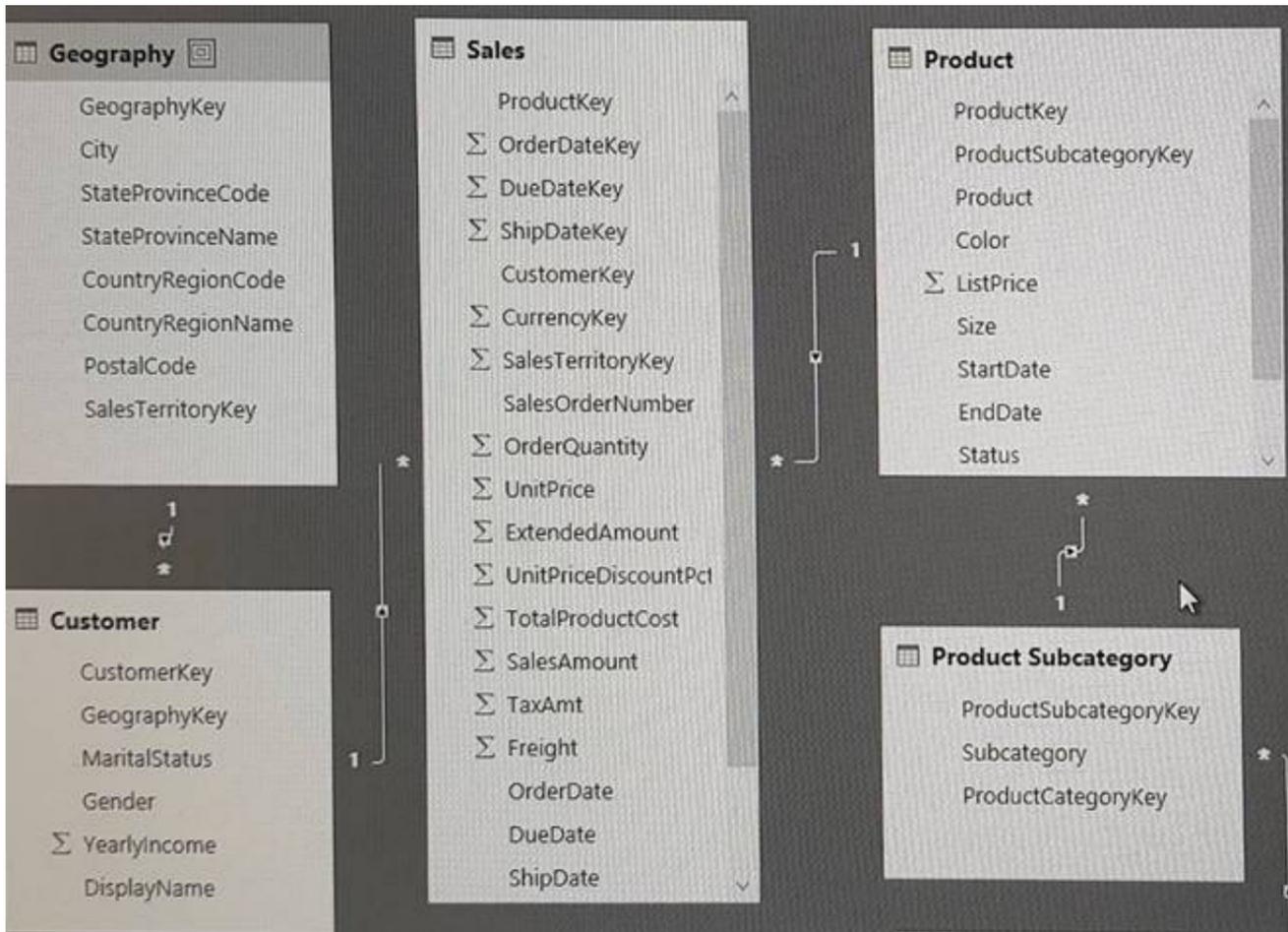
Note: This question is a part of a series of questions that present the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is exactly the same in each question in this series.

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 edit the Product Category table query to match the desired Power BI model. How should you complete the advanced query? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content. NOTE: Each correct selection is worth one point.

**Values**

- Table.Combine
- Table.RemovedColumns
- Table.RemoveRows
- Table.RenameColumns
- Table.ReorderColumns
- Table.SelectColumns

**Answer Area**

```

let
    Source= Sql.Databases ("localhost"),
    DB1= Source {[Name="DB1"]} [Data],
    dbo_DimProductCategory= DB1[{"Schema=" "dbo, Item=" "DimProductCategory"}] [Data],
    #Var1" = Value
    (dbo_DimProductCategory, {"ProductCategoryAlternateKey",
    "SpanishProductCategoryName", "FrenchProductCategoryName"}),
    #Var2" = Value
    (#Var1, {"EnglishProductCategoryName", "Category"}, {"DimProductSubcategory", "Subcategory"}))
in
    #Var2"
                    
```

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

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

**NEW QUESTION 224**

- (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 226**

- (Topic 4)

You are building a Power BI report.

Users will view the report by using their mobile device.

You need to configure the report to display data based on each user's location.

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

- A. For the relevant columns, set synonyms to match common geographical terms.
- B. From Power Query Editor, detect the data types of the relevant columns.
- C. Use the columns of the geography data type in all visuals.
- D. Create a hierarchy for columns of the geography data type.
- E. In Data Category, set the geographic data category for the relevant columns.

**Answer: CE**

**NEW QUESTION 227**

HOTSPOT - (Topic 4)

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



You need to create a measure to count the number of product categories that had products sold during a selected period. 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**

Product Categories Sold =

CALCULATE (   )

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

**Answer Area**

Product Categories Sold =

CALCULATE (   )

**NEW QUESTION 228**

- (Topic 4)

You have a Power BI report named ReportA.

You have a Power BI tenant that allows users to export data.

You need to ensure that consumers of ReportA cannot export any data from visuals.

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

- A. From Power BI Desktop, modify the Data Load settings
- B. From the answer B1 service modify the Report settings.
- C. From Power BI Desktop modify the Report settings
- D. From the Power BI service, modify the dataset permissions.

**Answer: BD**

**NEW QUESTION 231**

- (Topic 4)

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

ID	ProductKey	OrderDate	ShipDate	CustomerKey	SalesTerritoryRegion	SalesOrderNumber	SalesOrderLineNumber	OrderQuantity	UnitPrice	SalesAmount	TaxAmount	Freight
1	310	2010-12-29	2011-01-05	21768	Canada	SO43697	1	1	3578.27	3578.27	286.2016	89.4568
2	346	2010-12-29	2011-01-05	27965	France	SO43698	1	1	3395.99	3395.99	271.9992	84.9998
3	346	2010-12-29	2011-01-05	76537	NorthWest	SO43699	1	1	3395.99	3395.99	271.9992	84.9998
4	336	2010-12-29	2011-01-05	34256	SouthWest	SO43700	1	1	699.0982	699.0982	55.9279	17.4773
5	346	2010-12-29	2011-01-05	34253	Australia	SO43701	1	1	3395.99	3395.99	271.9992	84.9998
6	311	2010-12-30	2011-01-06	12543	SouthWest	SO43702	1	1	3578.27	3578.27	286.2016	89.4568
7	310	2010-12-30	2011-01-06	76545	Australia	SO43703	1	1	3578.27	3578.27	286.2016	89.4568

The report will facilitate the following analysis:

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

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

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

- A. Fillet the data to only the NorthWest region sales territory.
- B. Remove the CustomerKey and ProductKey columns.
- C. Remove the TaxAmt and Freight columns.
- D. Set the data type for SalesOrderNumber to Decimal Number

**Answer: AC**

**NEW QUESTION 232**

- (Topic 4)

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

- ? Test
- ? Production
- ? Development

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

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

Which should you do?

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

**Answer: B**

**Explanation:**

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

**NEW QUESTION 235**

- (Topic 4)

You have a report that contains four pages. Each page contains slicers for the same four fields. Users report that when they select values on a slicer on one page, the visuals are not updated on all the pages. You need to recommend a solution to ensure that users can select a value once to filter the results on all the pages. What are two possible recommendations to achieve this goal? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

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

**Answer: AE**

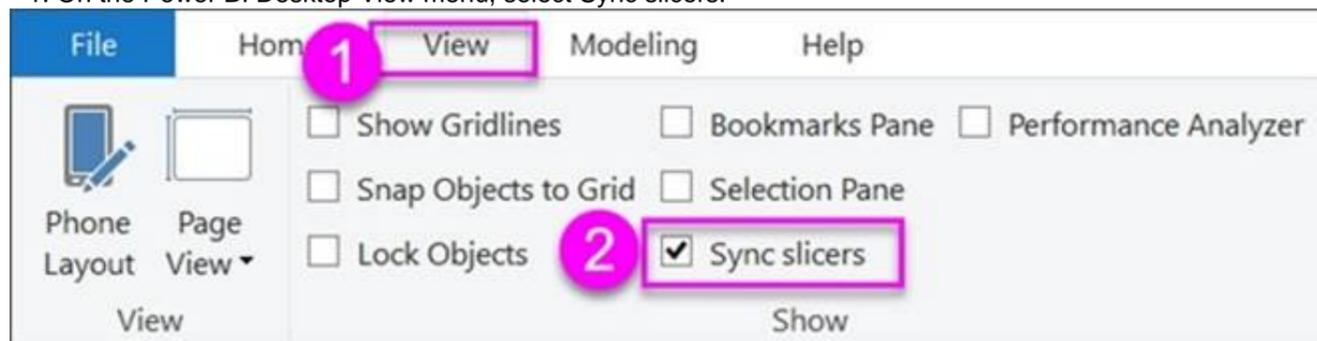
**Explanation:**

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

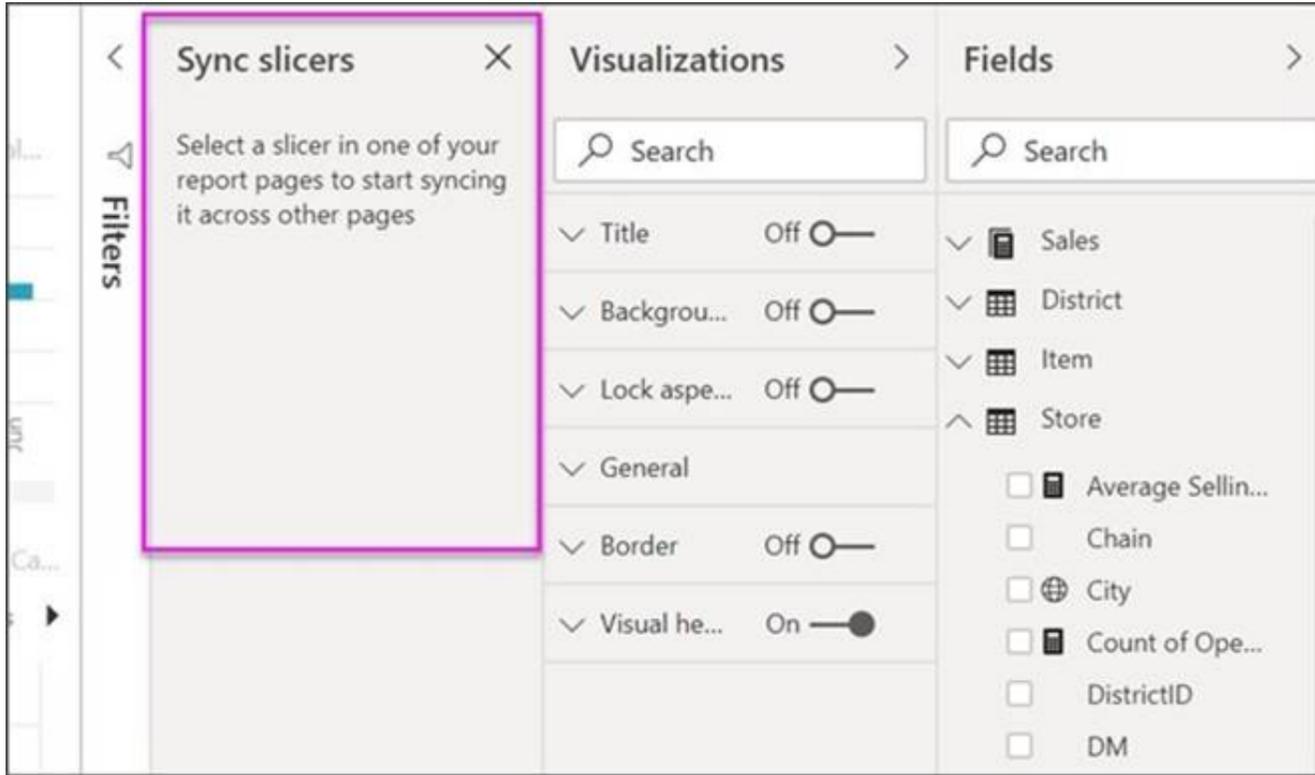
The visuals on the active page, and on all pages in the report, change to reflect the new filter.

You can sync a slicer and use it on any or all pages in a report.

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



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



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

**NEW QUESTION 238**

DRAG DROP - (Topic 4)

You have a Power BI report that contains five bookmarks.

You need to add an object to the report from which users can navigate between three specific bookmarks.

How should you complete the task? To answer, drag the appropriate actions to the correct steps, each action 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.

**Actions**

- Add a Bookmark button.
- Change the Bookmark property for the button.
- Group the other two bookmarks.
- Group the three bookmarks.

**Answer Area**

First step: Add a Bookmark navigator button.

Second step:

Third step:

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

**Actions**

- Add a Bookmark button.
- Change the Bookmark property for the button.
- Group the other two bookmarks.
- Group the three bookmarks.

**Answer Area**

First step: Add a Bookmark navigator button.

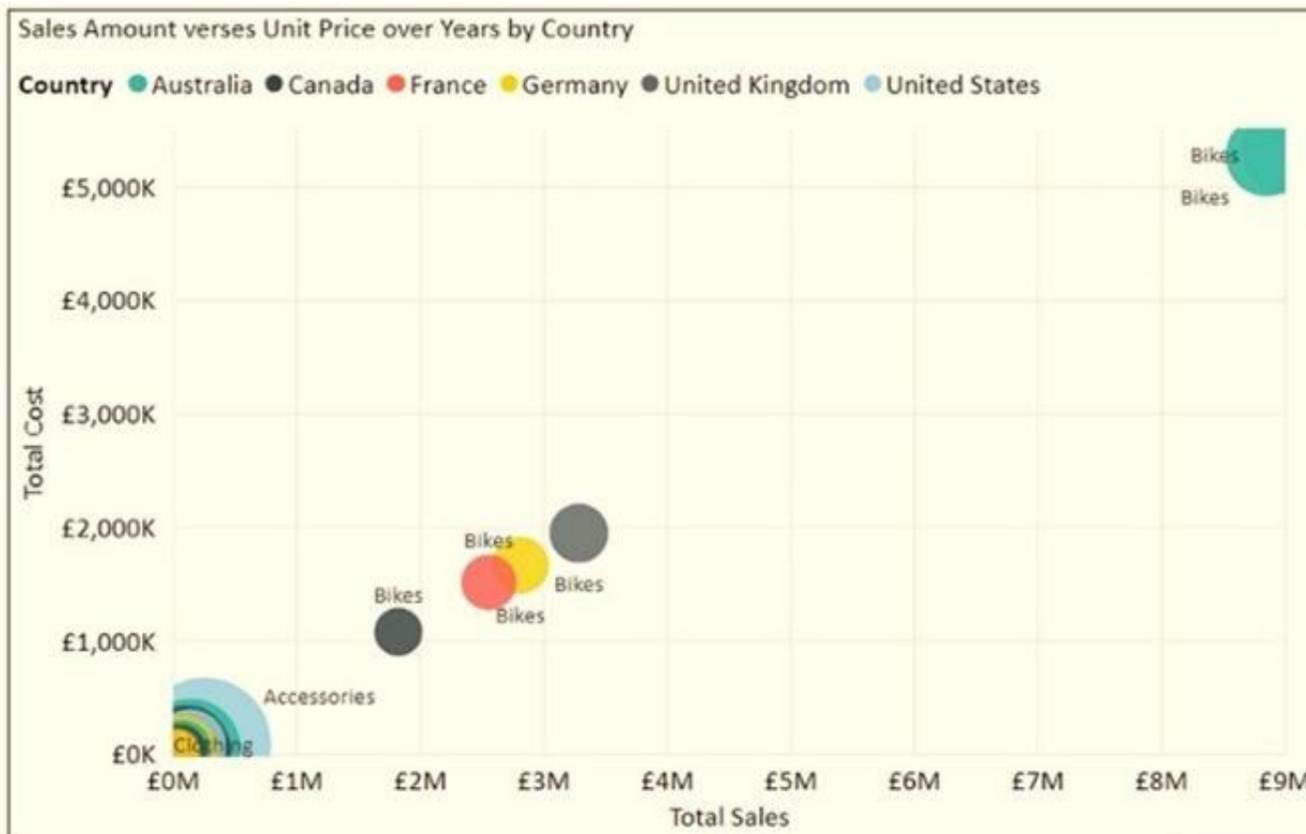
Second step: Change the Bookmark property for the button.

Third step: Group the three bookmarks.

**NEW QUESTION 240**

- (Topic 4)

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



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

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

**Answer:** A

**Explanation:**

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

Reference:

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

**NEW QUESTION 242**

HOTSPOT - (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.

Cardinality:

- Many-to-many
- Many-to-one
- One-to-many
- One-to-one

Cross-filter direction:

- Both
- Single

- 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.

**NEW QUESTION 244**

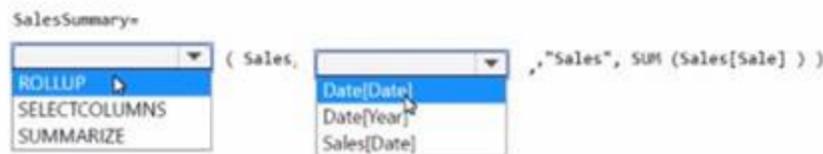
HOTSPOT - (Topic 4)

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 will contain the following:

Answer Area

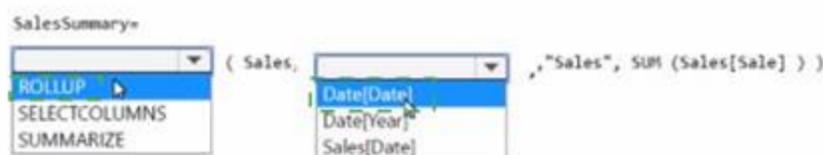


- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area



**NEW QUESTION 247**

- (Topic 4)

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

- Date
- Product
- Product Inventory

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

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

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

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

**Answer: D**

**NEW QUESTION 251**

HOTSPOT - (Topic 4)

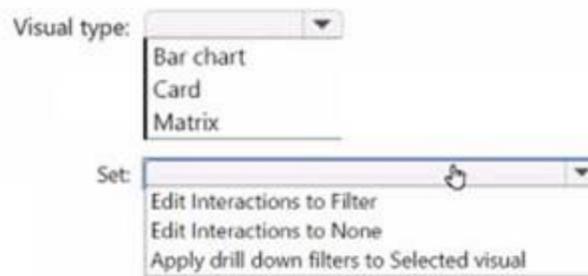
You have a Power BI report that contains a page. The page contains the following visuals:

- A card
- A matrix
- A bar chart

You need to configure the page to ensure that the card and the bar chart are unaffected when a user drills down in the matrix. The card and the bar chart must change when a user selects a cell in the matrix.

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

**Answer Area**

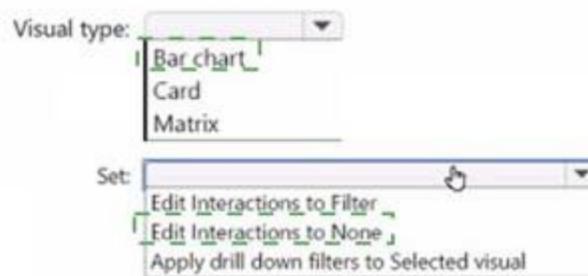


- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

**Answer Area**



**NEW QUESTION 256**

- (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 260**

- (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 265**

- (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?

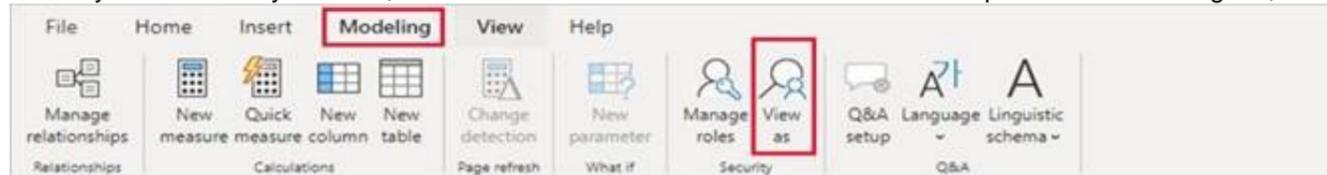
- A. Use the Test as role option to view data as the salesperson's user account.
- B. Use the Test as role option to view data as the Sales role.
- C. Instruct the salesperson to open the report in Microsoft Power BI Desktop.
- D. Filter the data in the reports to match the intended logic in the filter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

**Answer:** A

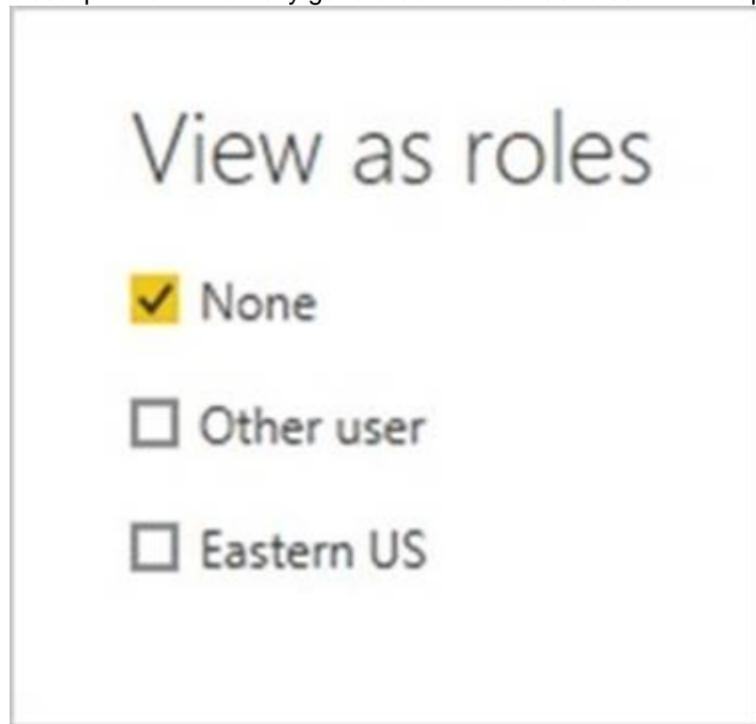
**Explanation:**

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.



Description automatically generated The 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 270**

- (Topic 4)

You have a Power BI report that contains a page. The page contains the following:

- A shape named Shape 1
- A card named Sales Summary
- A clustered bar chart named Sales by Region

You need to ensure that Sales Summary renders on top of Shape 1. What should you modify?

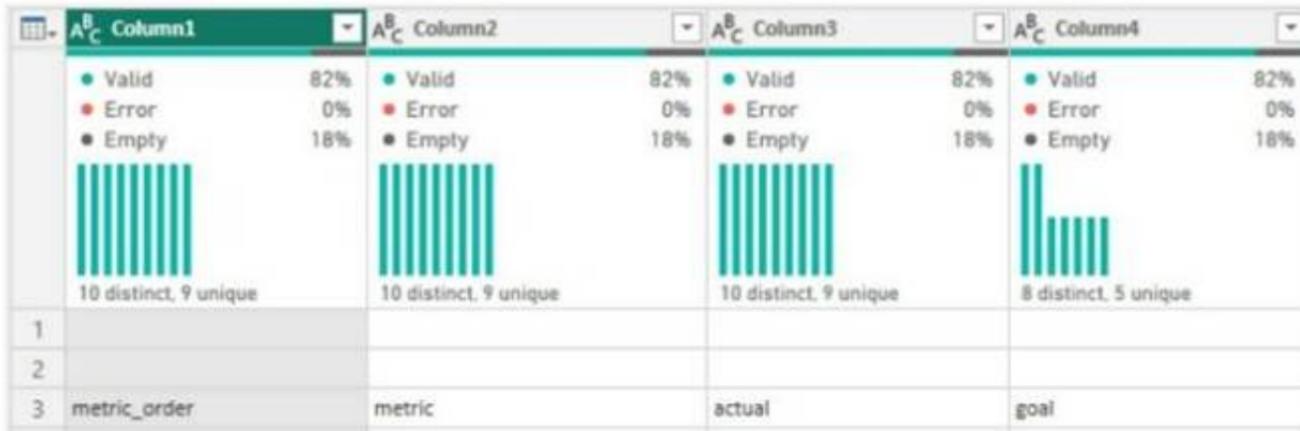
- A. Tab order in the Selection pane

- B. Layer order in the Selection pane
- C. Maintain layer order in the General visual settings
- D. Vertical alignment in the Canvas settings

**Answer: B**

**Explanation:**

You use Power Query Editor to preview the data shown in the following exhibit.  
 You confirm that the data will always start on row 3, and row 3 will always contain the column names.  
 You use Power Query Editor to preview the data shown in the following exhibit.



**NEW QUESTION 273**

.....

## **Thank You for Trying Our Product**

### **We offer two products:**

1st - We have Practice Tests Software with Actual Exam Questions

2nd - Questions and Answers in PDF Format

### **PL-300 Practice Exam Features:**

- \* PL-300 Questions and Answers Updated Frequently
- \* PL-300 Practice Questions Verified by Expert Senior Certified Staff
- \* PL-300 Most Realistic Questions that Guarantee you a Pass on Your First Try
- \* PL-300 Practice Test Questions in Multiple Choice Formats and Updates for 1 Year

**100% Actual & Verified — Instant Download, Please Click**  
**[Order The PL-300 Practice Test Here](#)**