



## Microsoft

### Exam Questions PL-300

Microsoft Power BI Data Analyst

### NEW QUESTION 1

- (Exam Topic 1)

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

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

**Answer:** A

### NEW QUESTION 2

- (Exam 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 3

- (Exam Topic 1)

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

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

**Answer:** C

#### Explanation:

The sale department requires reports that contain the number of sales transactions.  
The `COUNTROWS` function counts the number of rows in the specified table, or in a table defined by an expression.  
Reference:  
<https://docs.microsoft.com/en-us/dax/countrows-function-dax>

### NEW QUESTION 4

- (Exam Topic 1)

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

- A. Create a security role that has a table filter on the `Sales_Manager` table where `username = UserName()`
- B. Create a security role that has a table filter on the `Region_Manager` table where `sales_manager_id = UserPrincipalName()`.
- C. Create a security role that has a table filter on the `Sales_Manager` table where `name = UserName()`.
- D. Create a security role that has a table filter on the `Sales_Manager` table where `username = sales_manager_id`.

**Answer:** A

#### Explanation:

<https://powerbi.microsoft.com/en-us/blog/using-username-in-dax-with-row-level-security/>

### NEW QUESTION 5

- (Exam Topic 1)

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

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

**Answer:** A

#### Explanation:

Scenario: The customer service department requires a visual that can be filtered by both sales month and ship month independently.  
Reference:  
<https://docs.microsoft.com/en-us/power-bi/transform-model/desktop-relationships-understand>

#### NEW QUESTION 6

- (Exam Topic 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 7

- (Exam Topic 2)

Once the profit and loss dataset is created, which four actions should you perform in sequence to ensure that the business unit analysts see the appropriate profit and loss data? 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:

<https://docs.microsoft.com/en-us/power-bi/admin/service-admin-rls> <https://docs.microsoft.com/en-us/power-bi/connect-data/service-datasets-build-permissions>

#### NEW QUESTION 8

- (Exam Topic 3)

You need to configure access for the sales department users. The solution must meet the security requirements. What should you do?

- A. Add the sales department as a member of the reports workspace
- B. Add the Azure Active Directory group of the sales department as an Admin of the reports workspace.
- C. Distribute an app to the users in the Azure Active Directory group of the sales department.
- D. Share each report to the Azure Active Directory group of the sales department.

**Answer: D**

#### NEW QUESTION 9

- (Exam Topic 3)

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

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

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

**NEW QUESTION 10**

- (Exam Topic 3)

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

NOTE: Each correct select is worth one point:

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**NEW QUESTION 10**

- (Exam Topic 4)

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

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

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

**Answer:** A

**Explanation:**

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

Reference:

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

**NEW QUESTION 13**

- (Exam Topic 4)

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

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

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

NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Reference:

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

**NEW QUESTION 15**

- (Exam Topic 4)

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

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

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

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

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

#### NEW QUESTION 17

- (Exam Topic 4)

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

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 21

- (Exam Topic 4)

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

Start of repeated scenario

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

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

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

You implement the Power BI model.

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

You need to create a relationship between the Territory table and the Sales table.

Which function should you use in the query for Territory before you create the relationship?

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

**Answer:** B

**Explanation:**

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

#### NEW QUESTION 24

- (Exam Topic 4)

You need to create the Top Customers report.

Which type of filter should you use, and at which level should you apply the filter? To answer, select the appropriate options in the answer area.

NOTE; Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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Description automatically generated

**NEW QUESTION 25**

- (Exam Topic 4)

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

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

You have a query for a table named Sales. Sales has a column named CustomerID. The Data Type of CustomerID is Whole Number.

You refresh the data and find several errors. You discover that new entries in the Sales table contain nonnumeric values.

You need to ensure that nonnumeric values in the CustomerID column are set to 0. Solution: From Query Editor, select the CustomerID column and click Remove Errors. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**NEW QUESTION 26**

- (Exam Topic 4)

You have a Microsoft Power BI dashboard. The report used to create the dashboard uses an imported dataset from a Microsoft SQL Server data source. The dashboard is shown in the exhibit. (Click the Exhibit tab.)

What occurred at 12:03:06 PM?

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

**Answer:** D

**Explanation:**

Reference:

<https://docs.microsoft.com/en-us/power-bi/connect-data/refresh-data>

**NEW QUESTION 31**

- (Exam Topic 4)

You have an Azure SQL database that contains sales transactions. The database is updated frequently.

You need to generate reports from the data to detect fraudulent transactions. The data must be visible within five minutes of an update.

How should you configure the data connection?

- A. Add a SQL statement.
- B. Set Data Connectivity mode to DirectQuery.
- C. Set the Command timeout in minutes setting.
- D. Set Data Connectivity mode to Import.

**Answer:** B

**Explanation:**

With Power BI Desktop, when you connect to your data source, it's always possible to import a copy of the data into the Power BI Desktop. For some data sources, an alternative approach is available: connect directly to the data source using DirectQuery.

DirectQuery: No data is imported or copied into Power BI Desktop. For relational sources, the selected tables and columns appear in the Fields list. For multi-dimensional sources like SAP Business Warehouse, the dimensions and measures of the selected cube appear in the Fields list. As you create or interact with a visualization, Power BI Desktop queries the underlying data source, so you're always viewing current data.

Reference:

<https://docs.microsoft.com/en-us/power-bi/connect-data/desktop-use-directquery>

**NEW QUESTION 33**

- (Exam Topic 4)

In the Power BI service, you create an app workspace 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 37**

- (Exam Topic 4)

You have a dataset named Pens that contains the following columns:

Unit Price  
Quantity Ordered

You need to create a visualization that shows the relationship between Unit Price and Quantity Ordered. The solution must highlight orders that have a similar unit price and ordered quantity.

Which type of visualization and which feature should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: A scatter plot...

A scatter chart always has two value axes to show: one set of numerical data along a horizontal axis and another set of numerical values along a vertical axis. The chart displays points at the intersection of an x and y numerical value, combining these values into single data points. Power BI may distribute these data points evenly or unevenly across the horizontal axis. It depends on the data the chart represents.

Box 2: Automatically find clusters

Scatter charts are a great choice to show patterns in large sets of data, for example by showing linear or non-linear trends, clusters, and outliers.

Reference:

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

**NEW QUESTION 38**

- (Exam Topic 4)

You have a Microsoft Power BI dashboard.

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

What should you use?

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

**Answer:** C

**Explanation:**

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

**NEW QUESTION 39**

- (Exam Topic 4)

You are creating a visual to show the ranking of product categories by sales revenue.

Your company's security policy states that you cannot send data outside of your Microsoft Power BI tenant. Which approach provides the widest variety of visuals while adhering to the security policy?

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

**Answer:** C

**NEW QUESTION 40**

- (Exam Topic 4)

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

There is a relationship between the tables.

There are no reporting requirements on employeejd and employee\_photo. You need to optimize the data model  
What should you configure for employeejd and employee.photo? To answer, select the appropriate options in the answer area.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Table Description automatically generated

Box 1: Hide

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

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

Reference:

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

**NEW QUESTION 44**

- (Exam Topic 4)

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

client\_notified\_timestamp

client\_notified\_source

client\_notified\_sourceid

client\_notified\_value

client\_responded\_timestamp

client\_responded\_source

client\_responded\_sourceid

client\_responded\_value

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

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

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

NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Table.RemoveColumns

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

Box 2: List.Select  
Get a list of columns. Box 3: Text.EndsWith

**NEW QUESTION 46**

- (Exam Topic 4)

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

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

What should you do?

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

**Answer:** D

**Explanation:**

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

Graphical user interface, application, Word Description automatically generated

Reference:

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

**NEW QUESTION 49**

- (Exam Topic 4)

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

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

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

During the development process, you need to import a sample of the data from the Order table. Solution: You add a WHERE clause to the SQL statement.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

**Explanation:**

The WHERE clause has its effects before the data is imported. Reference:

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

**NEW QUESTION 54**

- (Exam Topic 4)

You have a CSV file that contains user complaints. The file contains a column named Logged. Logged contains the date and time each complaint occurred. The data in Logged is in the following format:

at 08:59.

You need to be able to analyze the complaints by the logged date and use a built-in date hierarchy. D18912E1457D5D1DDCBD40AB3BF70D5D

What should you do?

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

**Answer:** C

**NEW QUESTION 55**

- (Exam Topic 4)

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

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

You have a clustered bar chart that contains a measure named Salary as the value and a field named Employee as the axis. Salary is present in the data as numerical amount representing US dollars.

You need to create a reference line to show which employees are above the median salary. Solution: You create a constant line and set the value to .5.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

Instead create a percentile line by using the Salary measure and set the percentile to 50%.

Note: The 50th percentile is also known as the median or middle value where 50 percent of observations fall below.

Reference:

[https://dash-intel.com/powerbi/statistical\\_functions\\_percentile.php](https://dash-intel.com/powerbi/statistical_functions_percentile.php)

**NEW QUESTION 57**

- (Exam Topic 4)

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

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

**Answer:** D

**NEW QUESTION 61**

- (Exam Topic 4)

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

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

You have a Power BI model that contains two tables named Sales and Date. Sales contains four columns named TotalCost, DueDate, ShipDate, and OrderDate.

Date contains one column named Date.

The tables have the following relationships:

Sales[DueDate] and Date[Date]

Sales[ShipDate] and Date[Date]

Sales[OrderDate] and Date[Date]

The active relationship is on Sales[DueDate].

You need to create measures to count the number of orders by [ShipDate] and the orders by [OrderDate]. You must meet the goal without duplicating data or loading additional data.

Solution: You create measures that use the CALCULATE, COUNT, and USERELATIONSHIP DAX functions.

Does this meet the goal?

A. Yes

B. No

**Answer:** A

**Explanation:**

References:

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

**NEW QUESTION 66**

- (Exam Topic 4)

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

CustomerID

Customer City

Customer State

Customer Name

Customer Address 1

Customer Address 2

Customer Postal Code

The Invoice table contains the following fields:

Order ID

Invoice ID

Invoice Date

Customer ID

Total Amount

Total Item Count

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

The Power BI model must provide the following information:

The number of customers invoiced in each state last month

The average invoice amount per customer in each postal code

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

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

NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: One-to-many

A customer can have many invoices within one month. Box 2: Single

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

Reference:

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

**NEW QUESTION 69**

- (Exam Topic 4)

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

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

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

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

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

- A. Yes
- B. No

**Answer:** B

**Explanation:**

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

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

Reference:

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

**NEW QUESTION 70**

- (Exam Topic 4)

You have the dataset shown in the following exhibit.

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

- A. Add a Top N filter to the visual.
- B. Configure the Sales Profit measure to use the RANKX function.
- C. Add a calculated column to the table that uses the TOPN function.
- D. In the visual, replace Sales Profit with the calculated column.
- E. Add a calculated column to the table that returns the city name if the city is in the top 10, otherwise the calculated column will return "Not in Top 10". In the visual, replace Sales Profit with the calculatedcolumn.D18912E1457D5D1DDCBD40AB3BF70D5D

**Answer:** A

**Explanation:**

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

Note:

Select the Column you want to display the Top Sales Profit

Then change the Filter Type of that Column to Top N

Fill in Top / Bottom number field

And lastly drag to the By Value field your Sales Profit Reference:

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

**NEW QUESTION 71**

- (Exam Topic 4)

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

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

You have several reports and dashboards in a workspace.

You need to grant all organizational users read access to a dashboard and several reports. Solution: You assign all the users the Viewer role to the workspace. Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

**Explanation:**

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".

Reference:

<https://powerbi.microsoft.com/en-us/blog/announcing-the-new-viewer-role-for-power-bi-workspaces/>

#### NEW QUESTION 74

- (Exam Topic 4)

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

You have several reports and dashboards in a workspace.

You need to grant all organizational users read access to a dashboard and several reports. Solution: You enable included in app for all assets.

Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

#### NEW QUESTION 79

- (Exam Topic 4)

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

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

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

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

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

- A. Yes
- B. No

**Answer: A**

#### Explanation:

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

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

Reference:

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

#### NEW QUESTION 81

- (Exam Topic 4)

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

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

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

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

Solution: From the Power BI service, get the data from SharePoint Online, and then click Connect Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

#### Explanation:

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

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

#### NEW QUESTION 83

- (Exam Topic 4)

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

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

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

What should you include on the menu page?

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

**Answer: B**

#### Explanation:

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

#### NEW QUESTION 88

- (Exam Topic 4)

You need to create a measure that will return the percentage of late orders.

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Graphical user interface Description automatically generated

**NEW QUESTION 89**

- (Exam Topic 4)

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

Product (Product\_id, Product\_Name)

Sales (Order\_id, Order\_Date, Product\_id, Salesperson\_id, Sales\_Amount)

Salesperson (Salesperson\_id, Salesperson\_name, address)

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

Sales to Product

Sales to Salesperson

The solution must ensure that you can use Measure1 to display the count of products sold by each salesperson.

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

NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Graphical user interface, text Description automatically generated

**NEW QUESTION 91**

- (Exam Topic 4)

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

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

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

During the development process, you need to import a sample of the data from the Order table. Solution: From Power Query Editor, you import the table and then add a filter step to the query.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

**NEW QUESTION 92**

- (Exam 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 93

- (Exam 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 from 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 98

- (Exam Topic 4)

You have a report that includes a card visualization.

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

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

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

**Answer: C**

### NEW QUESTION 100

- (Exam Topic 4)

You are configuring a Microsoft Power BI data model to enable users to ask natural language questions by using Q&A. You have a table named Customer that has the following measure.

Customer Count = DISTINCTCOUNT(Customer[CustomerID]) Users frequently refer to customers as subscribers.

You need to ensure that the users can get a useful result for "subscriber count" by using Q&A. The solution must minimize the size of the model.

What should you do?

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

**Answer: B**

#### Explanation:

You can add synonyms to tables and columns.

Note: This step applies specifically to Q&A (and not to Power BI reports in general). Users often have a variety of terms they use to refer to the same thing, such as total sales, net sales, total net sales. You can add these synonyms to tables and columns in the Power BI model.

This step applies specifically to Q&A (and not to Power BI reports in general). Users often have a variety of terms they use to refer to the same thing, such as total sales, net sales, total net sales. You can add these synonyms to tables and columns in the Power BI model.

Reference:

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

### NEW QUESTION 103

- (Exam Topic 4)

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

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

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

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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

**NEW QUESTION 105**

- (Exam Topic 4)

You build a report to help the sales team understand its performance and the drivers of sales. The team needs to have a single visualization to identify which factors affect success. Which type of visualization should you use?

- A. Key influences
- B. Funnel chart
- C. Q&A
- D. Line and clustered column chart

**Answer:** A

**Explanation:**

The key influencers visual helps you understand the factors that drive a metric you're interested in. It analyzes your data, ranks the factors that matter, and displays them as key influencers.

The key influencers visual is a great choice if you want to:

See which factors affect the metric being analyzed.

Contrast the relative importance of these factors. For example, do short-term contracts have more impact on churn than long-term contracts?

Reference:

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

**NEW QUESTION 110**

- (Exam Topic 4)

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

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

NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

#### NEW QUESTION 114

- (Exam Topic 4)

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

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

**Answer:** D

#### Explanation:

Only one relationship can be active.

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

Reference:

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

#### NEW QUESTION 117

- (Exam Topic 4)

You are building a Power BI report to analyze customer segments.

You need to identify customer segments dynamically based on the Bounce Rate across dimensions such as source, geography, and demographics. The solution must minimize analysis effort.

Which type of visualization should you use?

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

**Answer:** D

#### Explanation:

The key influencers visual is a great choice if you want to: See which factors affect the metric being analyzed.

Contrast the relative importance of these factors. For example, do short-term contracts affect churn more than long-term contracts?

Note: The key influencers visual helps you understand the factors that drive a metric you're interested in. It analyzes your data, ranks the factors that matter, and displays them as key influencers. For example, suppose you want to figure out what influences employee turnover, which is also known as churn. One factor might be employment contract length, and another factor might be commute time.

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

#### NEW QUESTION 119

- (Exam Topic 4)

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

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

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

**Answer:** D

#### Explanation:

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

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

Reference:

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

#### NEW QUESTION 121

- (Exam Topic 4)

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

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

**Answer:** B

#### Explanation:

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

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

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

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

### NEW QUESTION 126

- (Exam Topic 4)

You are reviewing a query that produces 10,000 rows in the Power Query Editor. You need to identify whether a column contains only unique values. Which two Data Preview options can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

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

**Answer:** AB

#### Explanation:

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

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

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

Reference:

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

### NEW QUESTION 129

- (Exam Topic 4)

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

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

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

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

Solution: You modify the source step of the queries to use DataSourceExcel as the file path. Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

#### Explanation:

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

Reference:

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

### NEW QUESTION 133

- (Exam Topic 4)

You are preparing a financial report in Power BI.

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

You need to prepare the data to support the following:

Visualizations that include all measures in the data over time

Year-over-year calculations for all the measures

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Reference:

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

**NEW QUESTION 137**

- (Exam Topic 4)

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

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

You have several reports and dashboards in a workspace.

You need to grant all organizational users read access to a dashboard and several reports.

Solution: You create an Azure Active Directory group that contains all the users. You share each report and dashboard to the group.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

**Explanation:**

Statements and questions are tricky and confusing. When the access is granted for the group (all users) for ALL (each) dashboards and ALL (each) reports in the workspace, then they will have read access to the specific (A, one) Dashboard and several reports, because they are part of all dashboards and reports. There is no statement, that for the other dashboards (except the one) and the other reports (except the several) that access must be prevented. They are also accessible (maybe it is not desired but not stated here).

**NEW QUESTION 139**

- (Exam Topic 4)

You have a Power BI report.

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

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

NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: TOPN

TOPN returns the top N rows of the specified table. Box 2: SUMMARIZE

SUMMARIZE returns a summary table for the requested totals over a set of groups. Box 3: DESC

Sort in descending order.

It is last in the TOPN command. TOPN syntax:

TOPN(<n\_value>, <table>, <orderBy\_expression>, [<order>[, <orderBy\_expression>, [<order>]]...]) Reference:

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

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

**NEW QUESTION 140**

- (Exam Topic 4)

You are creating a Microsoft Power BI imported data model to perform basket analysis. The goal of the analysis is to identify which products are usually bought together in the same transaction across and within sales territories.

You import a fact table named Sales as shown in the exhibit. (Click the Exhibit tab.)

The related dimension tables are imported into the model.

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Reference:

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

**NEW QUESTION 144**

- (Exam 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 149**

- (Exam 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 152**

- (Exam Topic 4)

You are creating a column chart visualization.

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

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.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

#### **NEW QUESTION 155**

- (Exam Topic 4)

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

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

What should you recommend?

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

**Answer:** C

#### **NEW QUESTION 160**

- (Exam Topic 4)

You have a folder of monthly transaction extracts.

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

You receive the following email message: "Hi. I've put 24 files of monthly transaction data onto the shared drive. File Transactions201901.csv through

Transactions201912.csv have the latest set of columns, but files Transactions201801.csv to Transactions201812.csv have an older layout without the extra fields needed for analysis. Each file contains 10 to 50 transactions."

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

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

- 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 163**

- (Exam Topic 4)

You are using existing reports to build a dashboard that will be viewed frequently in portrait mode on mobile phones.

You need to build the dashboard.

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

\* 1. Pin items from report to Dashboard.

\* 2. Open Dashboard.

\* 3. Change the dashboard view to Phone view.

\* 4. Rearrange, resize the visuals.

**NEW QUESTION 166**

- (Exam Topic 4)

You publish a report to a workspace named Customer Services. The report identifies customers that have potential data quality issues that must be investigated by the customer services department of your company.

You need to ensure that customer service managers can create task lists in Microsoft Excel based on the data. Which report setting should you configure?

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

**Answer:** E

**Explanation:**

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

**NEW QUESTION 171**

- (Exam 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:

### NEW QUESTION 172

- (Exam Topic 4)

You have a sales system that contains the tables shown in the following table.

The Date table is marked as a date table.

DateID is the date data type. You need to create an annual sales growth percentage measure. Which DAX expression should you use?

- A. `SUM(sales[sales_amount]) - CALCULATE(SUM(sales[sales_amount]), SAMEPERIODLASTYEAR('Date'[DateID]))`
- B. `(SUM('Sales'[sales_amount]) - CALCULATE(SUM('Sales'[sales_amount]), SAMEPERIODLASTYEAR('Date'[DateID]))) / CALCULATE(SUM('Sales'[sales_amount]), SAMEPERIODLASTYEAR('Date'[DateID]))`
- C. `CALCULATE(SUM(sales[sales_amount]), DATESYTD('Date'[DateID]))`
- D. `CALCULATE(SUM(sales[sales_amount]), SAMEPERIODLASTYEAR('Date'[DateID]))`

**Answer:** B

#### Explanation:

SAMEPERIODLASTYEAR returns a table that contains a column of dates shifted one year back in time from the dates in the specified dates column, in the current context.

Reference:

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

### NEW QUESTION 173

- (Exam Topic 4)

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

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

The following columns contain date information:

- Date[Month] in the mmyyyy format
  - Date[Date\_ID] in the ddmmyyyy format
  - Date[Date\_name] in the mm/dd/yyyy format
  - Monthly\_returns[Month\_ID] in the mmyyyy format
- The Order table contains more than one million rows.

The Store table has a relationship to the Monthly\_returns table on the Store\_ID column. This is the only relationship between the tables.

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

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

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

**Answer:** C

### NEW QUESTION 178

- (Exam 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 179

- (Exam Topic 4)

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

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Text Description automatically generated

References:

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

**NEW QUESTION 183**

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