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Microsoft PL-300

Version Demo

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Topic Break Down

Topic	No. of Questions
Topic 1, Litware, Inc. Case Study	10
Topic 2, Contoso Ltd, Case Study	9
Topic 3, Northwind Traders	10
Topic 4, Misc. Questions	266
Total	295

QUESTION NO: 1

You have a Microsoft Excel file in a Microsoft OneDrive folder.

The file must be imported to a Power Bi dataset

You need to ensure that the dataset can be refreshed in powefbi.com.

Which two connectors can you use to connect to the file? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. Text/CSV

B. Folder

C. Excel Workbook

D. SharePoint folder

E. Web

ANSWER: D E

Explanation:

- Copy and edit Path of the Excel file then use "Web" Connector: Option E

- Copy and edit Path of the OneDrive folder then use "Sharepoint Folder" connector: Option D

Source: https://www.youtube.com/watch?v=GGHbbg6yi-A

QUESTION NO: 2

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	286.2616	89.4568
2	346	2010-12-29	2011-01-05	27965	France	SO43698	1	1	3399.99	3399.99	271.9992	84.9998
3	346	2010-12-29	2011-01-05	76537	NorthWest	SO43699	1	1	3399.99	3399.99	271.9992	84.9998
4	336	2010-12-29	2011-01-05	34256	SouthWest	SO43700	1	1	699.0982	699.0982	55.9279	17.4775
5	346	2010-12-29	2011-01-05	34253	Australia	SO43701	1	1	3399.99	3399.99	271.9992	84.9998
6	311	2010-12-30	2011-01-06	12543	SouthWest	SO43702	1	1	3578.27	3578.27	286.2616	89.4568
7	310	2010-12-30	2011-01-06	76545	Australia	SO43703	1	1	3578.27	3578.27	286.2616	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 SatesOrderNumber to Decimal Number

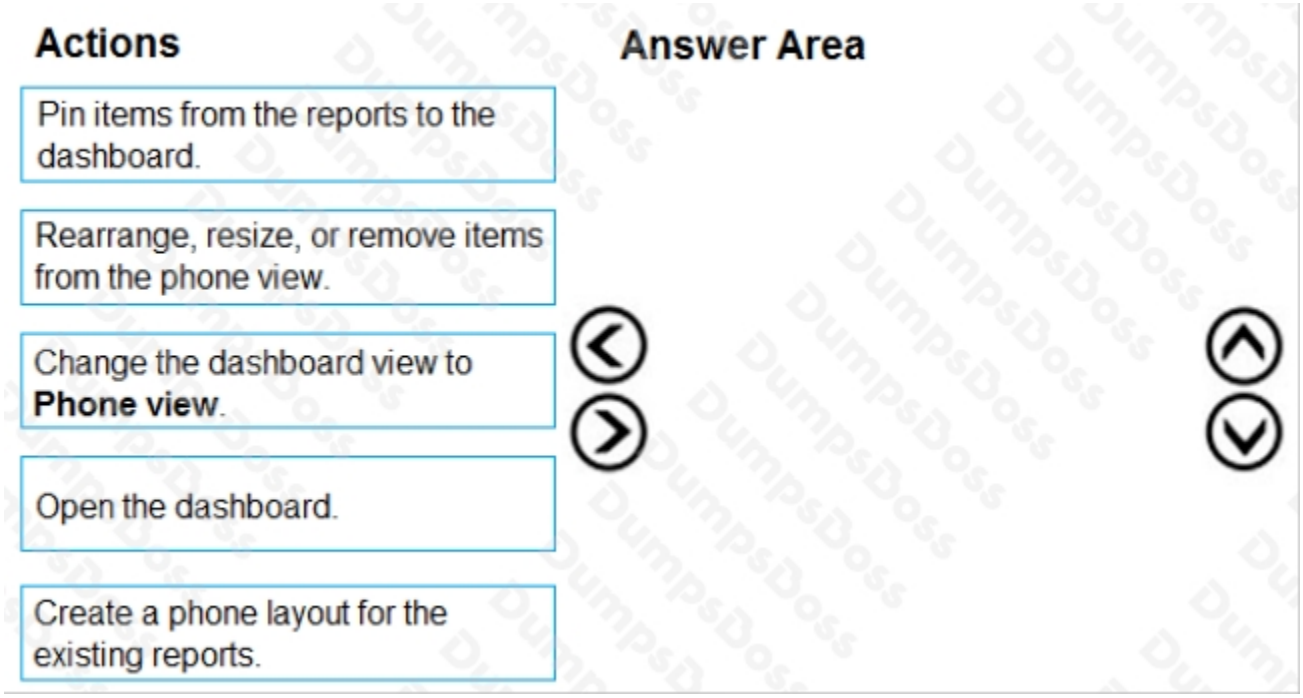
ANSWER: A C

QUESTION NO: 3 - (DRAG DROP)

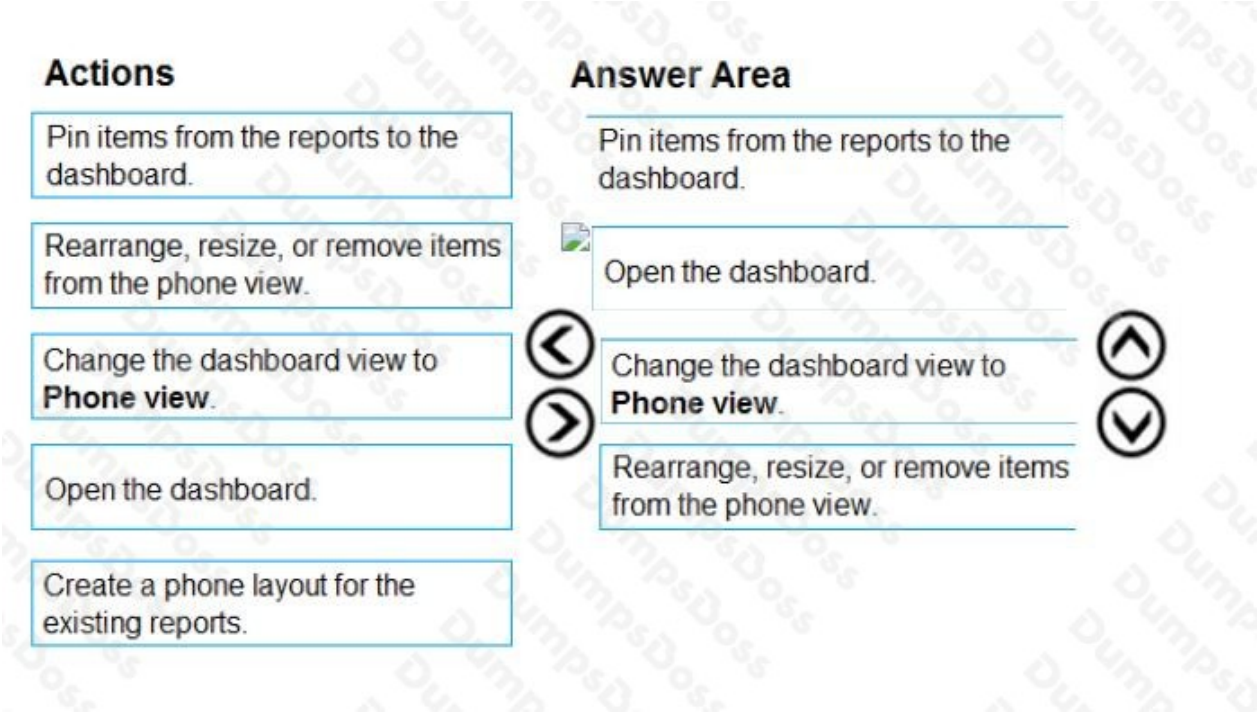
You are using existing reports to build a dashboard that will be viewed frequently in portrait mode on mobile phones.

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.



ANSWER:



Explanation:

1. Pin items from report to Dashboard.

2. Open Dashboard.

3. Change the dashboard view to Phone view.

4. Rearrange, resize the visuals.

QUESTION NO: 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: C

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

QUESTION NO: 5 - (DRAG DROP)

In Power Query Editor, you have three queries named ProductCategory, ProductSubCategory, and Product.Every Product has a ProductSubCategory.Not every ProductsubCategory has a parent ProductCategory.You need to merge the three queries into a single query. The solution must ensure the best performance in Power Query.How should you merge the tables? To answer, drag the appropriate merge types to the correct queries. Each merge type 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.

ANSWER:

Explanation:

Box 1: Inner -Every Product has a ProductSubCategory.A standard join is needed.One of the join kinds available in the Merge dialog box in Power Query is an inner join, which brings in only matching rows from both the left and right tables.

Box 2: Left outer -Not every ProductsubCategory has a parent ProductCategory.One of the join kinds available in the Merge dialog box in Power Query is a left outer join, which keeps all the rows from the left table and brings in any matching rows from the right table.Reference:https://docs.microsoft.com/en-us/power-query/merge-queries-inner
https://docs.microsoft.com/en-us/power-query/merge-queries-left-outer

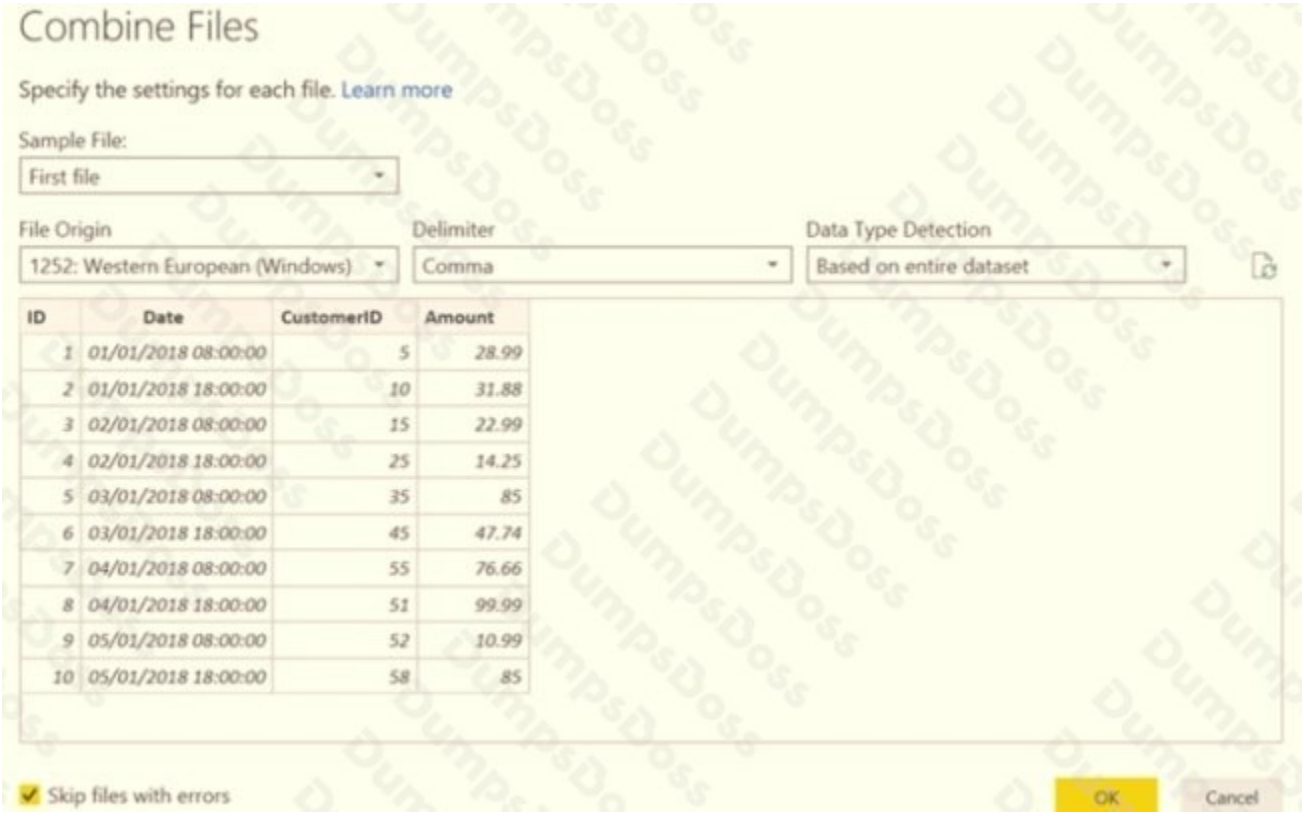
QUESTION NO: 6 - (HOTSPOT)

You have a folder of monthly transaction extracts.

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

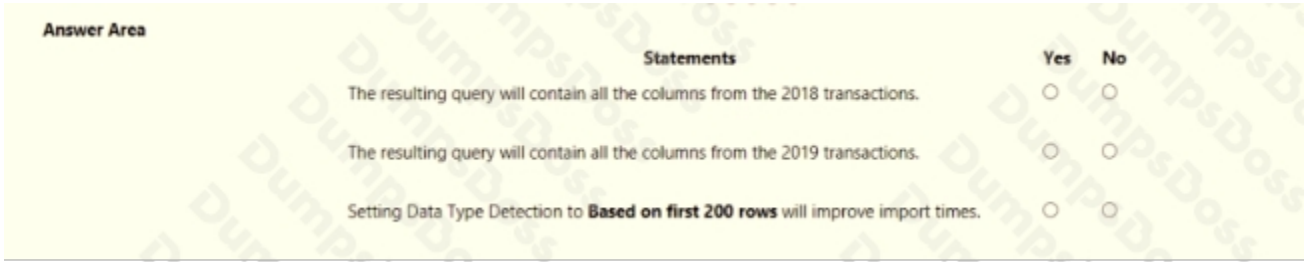
You receive the following email message: "Hi. I've put 24 files of monthly transaction data onto the shared drive. File Transactions201901.csv through Transactions201912.csv have the latest set of columns, but files Transactions201801.csv to Transactions201812.csv have an older layout without the extra 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.)



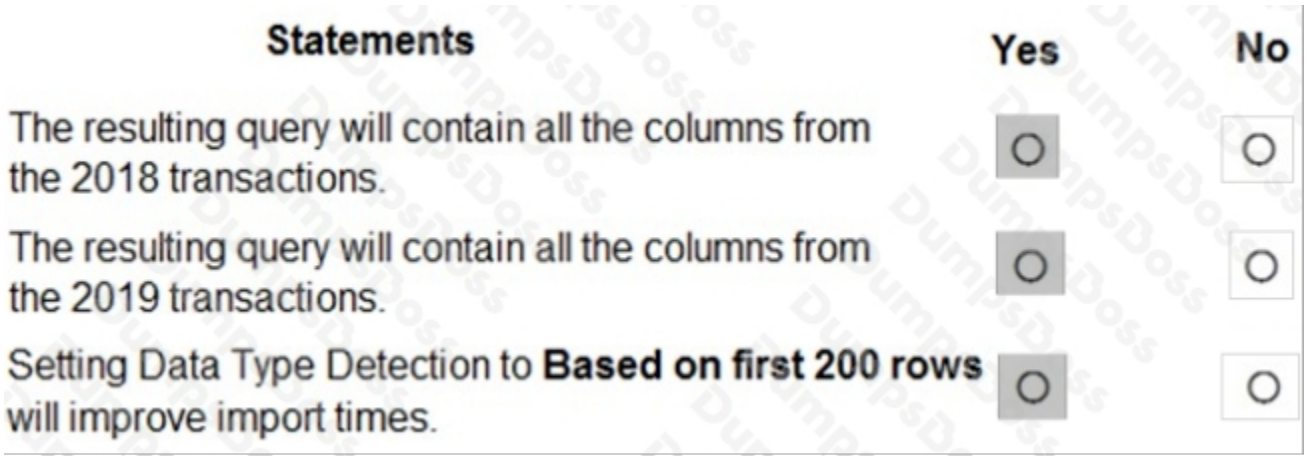
For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.



ANSWER:

Explanation:



Statements	Yes	No
The resulting query will contain all the columns from the 2018 transactions.	○	○
The resulting query will contain all the columns from the 2019 transactions.	○	○
Setting Data Type Detection to **Based on first 200 rows** will improve import times.	○	○

Box 1: Yes

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

Box 2: Yes

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

Box 3: Yes

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

QUESTION NO: 7

You have multiple dashboards.

You need to ensure that when users browse the available dashboards from powerbi.com. they can see which dashboards contain Personally Identifiable Information (PII). The solution must minimize configuration effort and impact on the dashboard design.

What should you use?

A. Active Directory groups

B. tiles

C. data classifications

D. comments

ANSWER: A

QUESTION NO: 8 - (SIMULATION)

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

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

NOTE: Each correct selection is worth one point.

ANSWER: Seetheanswerasbelowinexplanation.

Explanation:

Explanation.

Answer as below

QUESTION NO: 9

You import a large dataset to Power Query Editor.

You need to identify whether a column contains only unique values.

Which two Data Preview options can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point

A. Show whitespace

B. Column distribution

C. Column profile

D. Column quality

E. Monospaced

ANSWER: A D

QUESTION NO: 10

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.

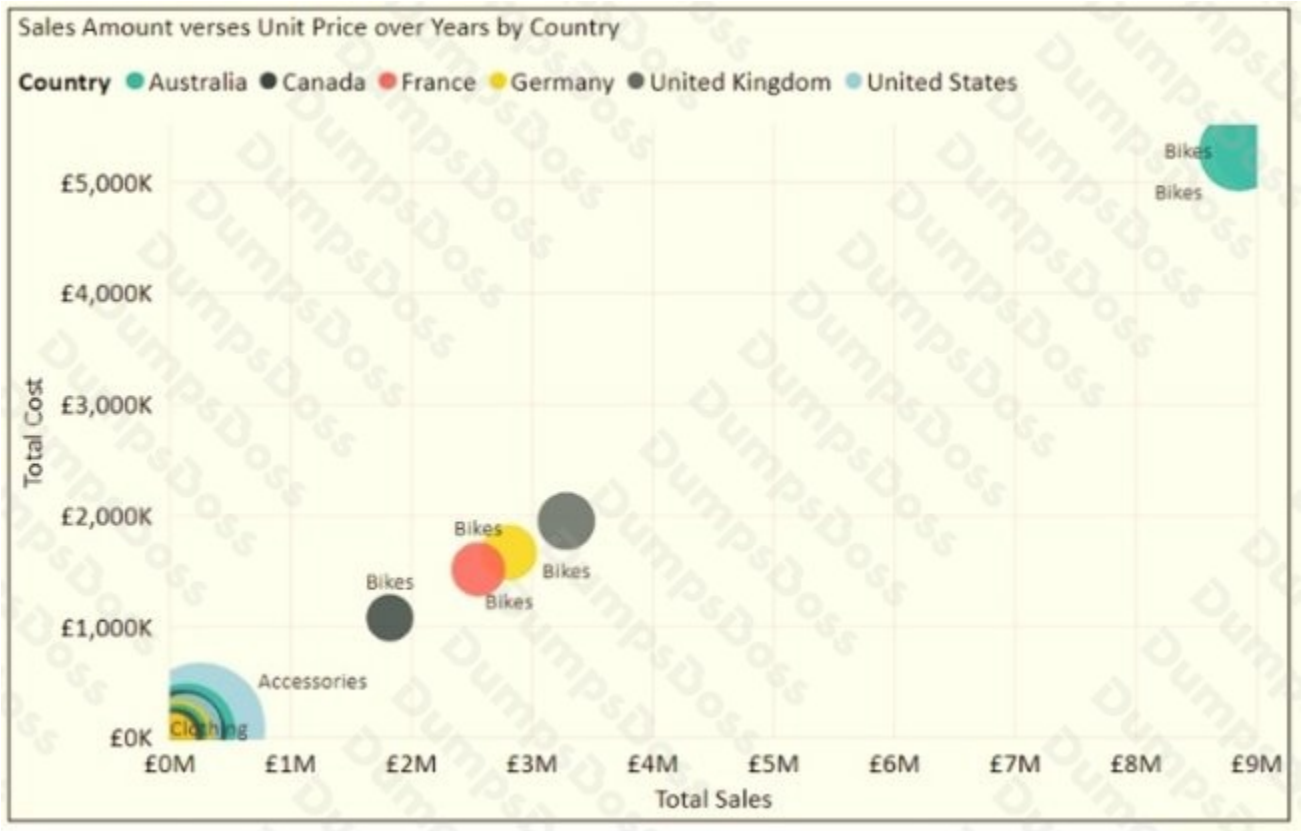
Note: Parameterising a Data Source could be used in many different use cases. From connecting to different data sources defined in Query Parameters to load different combinations of columns.

Reference:

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

QUESTION NO: 11

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:

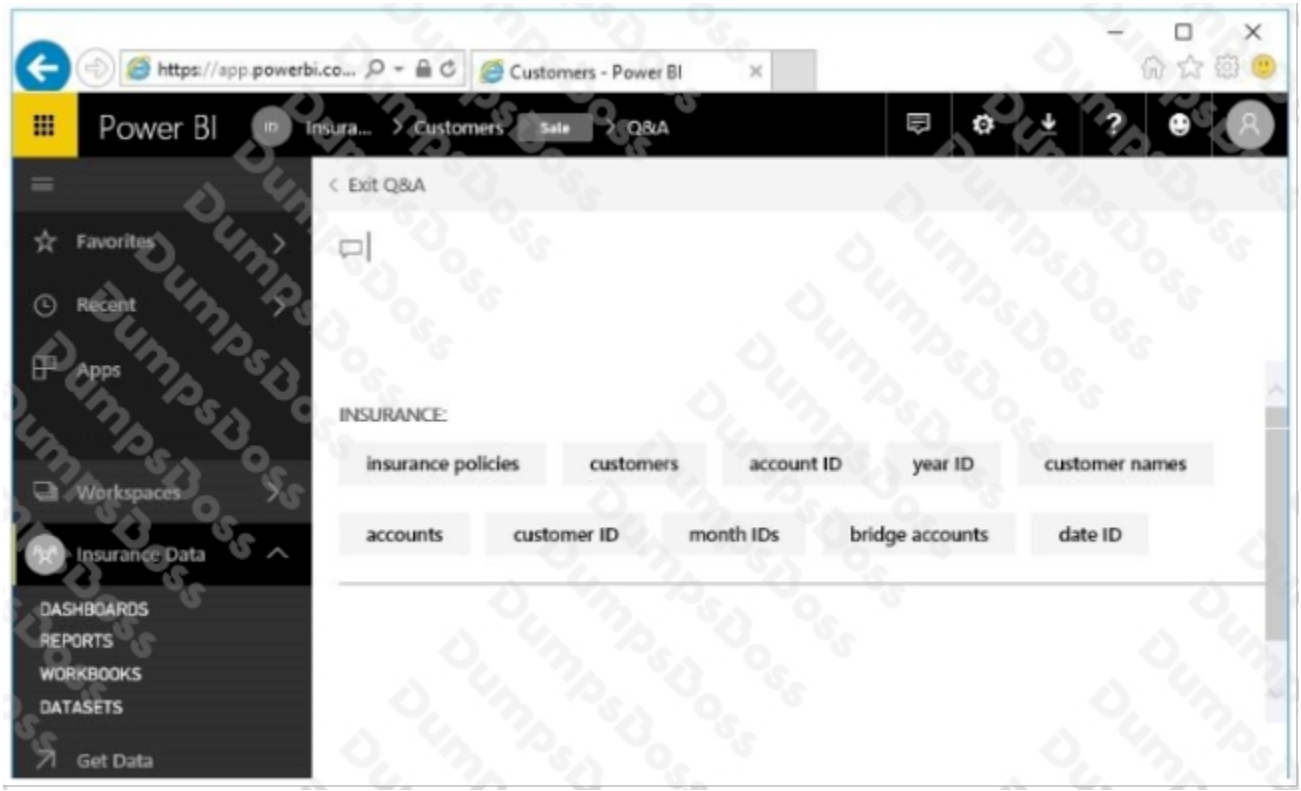
You can set up a date field in play axis, and then scatter chart will animate how measure values are compared to each other in each point of a time.

Reference:

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

QUESTION NO: 12 - (HOTSPOT)

You open powerbi.com 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.

NOTE: Each correct selection is worth one point.

Answer Area

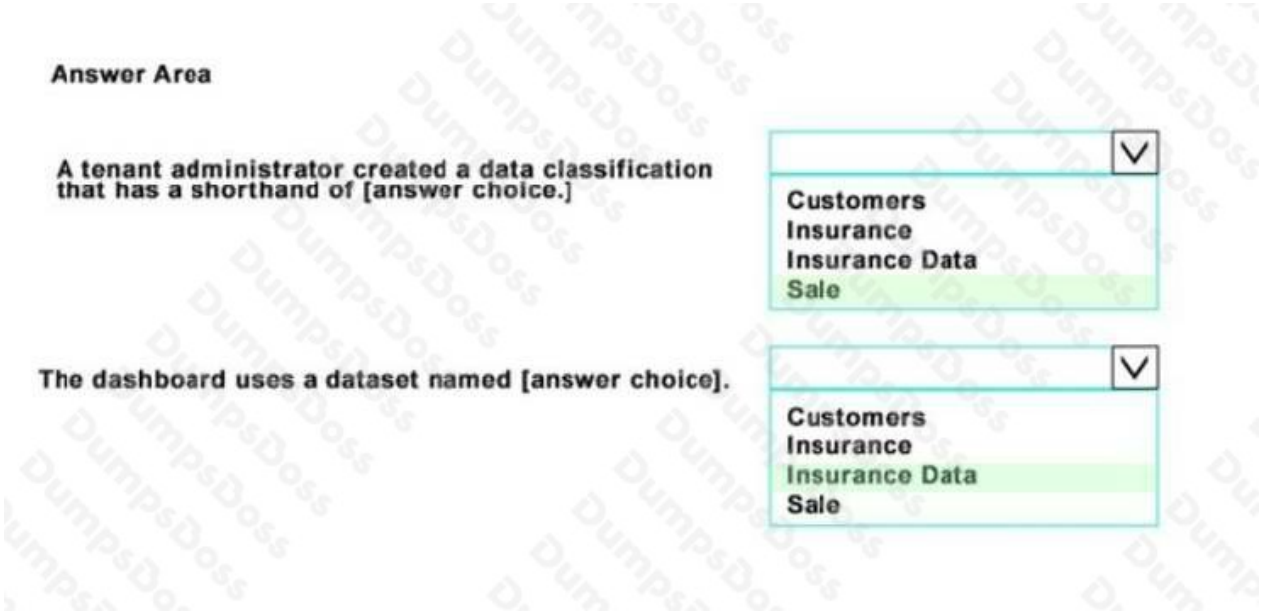
A tenant administrator created a data classification that has a shorthand of [answer choice.]

- Customers
- Insurance
- Insurance Data
- Sale

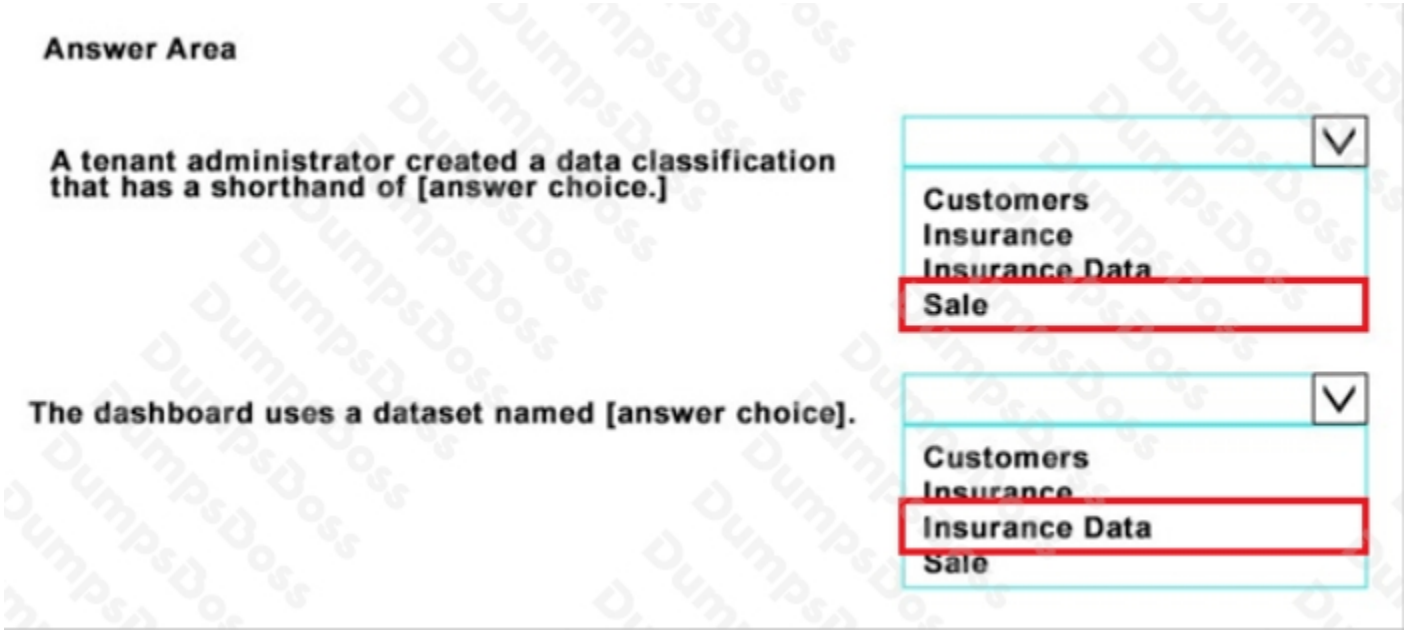
The dashboard uses a dataset named [answer choice].

- Customers
- Insurance
- Insurance Data
- Sale

ANSWER:



Explanation:



References: https://docs.microsoft.com/en-us/power-bi/service-data-classification

QUESTION NO: 13 - (SIMULATION)

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

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

NOTE: Each correct selection is worth one point.

ANSWER: Seetheanswerasbelowinexplanation.

Explanation:

Explanation.

Answer as below

QUESTION NO: 14

A manager can represent only a single country.

You need to use row-level security (RLS) to meet the following requirements:

The managers must only see the data of their respective country.

The number of RLS roles must be minimized.

Which two actions should you perform? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. Create a single role that filters Country[Manager_Email] by using the USERNAME DAX function.

B. Create a single role that filters Country[Manager_Email] by using the USEROBJECTID DAX function.

C. For the relationship between Purchase Detail and Purchase, select Apply security filter in both directions.

D. Create one role for each country.

E. For the relationship between Purchase and Purchase Detail, change the Cross filter direction to Single.

ANSWER: A C

Explanation:

In Power BI Service the username and userprincipalname both return the email address, it's only in Power BI Desktop that username is domain/username rather than the email address. So I agree that userprincipalname is better generally as you always get the same value, the answer is correct and you can use username as your RLS since the role will be applied in the Service. See https://community.powerbi.com/t5/Community-Blog/USERNAME-v-s-USERPRINCIPALNAME-in-RLS-for-Power-BI-Embedded/ba-p/1867670 for more information.

QUESTION NO: 15

You have a Power Bi report for the procurement department. The report contains data from the following tables.

Table name	Source	Description	Column name	Approximate record count
Suppliers	Microsoft Dynamics 365	A list of all the suppliers approved for use by the company.	• ID • Name • Country	100,000
LineItems	Microsoft Dynamics 365	All individual purchases made by employees across the company. An average of five line items per invoice.	• ID • Invoice ID • Invoice Date • Supplier ID • Description • Units • Price per Unit • Discount • Price	1,000,000,000

There is a one-to-many relationship from Suppliers to Lineitems that uses the ID and Supplier ID columns. The report contains the visuals shown in the following table.

Name	Used field	Filter

Supplier usage by count and value of invoices	`Suppliers[ID]`
	`Suppliers[Name]`
	`LineItems[Invoice ID]`
	`LineItems[Price]`
		None

Spend by supplier location	`Suppliers[Country]` `LineItems[Price]`	*None*
Top 10 largest invoices last month	`LineItems[Invoice ID]` `LineItems[Price]`	`LineItems[Invoice Date]` in last calendar month

You need to minimize the size of the dataset without affecting the visuals. What should you do?

A. Remove the rows from Lineitems where LineItems[invoice Date] is before the beginning of last month

B. Merge Suppliers and UneItems.

C. Group LineItems by Lineitems[invoice id) and Lineitems[invoice Date) with a sum of Lineitems(price).

D. Remove the Lineitems[Description] column.

ANSWER: D