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- Vendor: Microsoft
- Exam Code: DA-100
- Exam Name: Analyzing Data with Microsoft Power BI
- New Updated Questions from Braindump2go
- (Updated in December/2021)

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QUESTION 42
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 URL. Edit the query and filter by the path to the manufacturing reports library.
C. Get data from a SharePoint Online folder and enter the site URL. Edit the query and filter by the path to the manufacturing reports library.
D. Get data from a SharePoint Online list and enter the site URL.
Get data from a SharePoint Online list, enter the site URL, and then select **Combine & Load**.

Answer: C
Explanation:
Example:
My SharePoint site root url is https://powerbipanama.sharepoint.com/, but all of my files are actually in another site that starts with https://powerbipanama.sharepoint.com/sites/externalsales/ URL.
In order to use the correct URL, we need to be in the folder of the data that we're trying to get and check the url that our browser shows. If it has the if it starts with the format of https://<site address>/sites/<sitename>/ then we need to use that url, otherwise we use the much simpler https://<site address>
In my own case, I'll be using the https://powerbipanama.sharepoint.com/sites/externalsales url in order to connect to my site.
Reference:
https://powerbi.microsoft.com/sv-se/blog/combining-excel-files-hosted-on-a-sharepoint-folder/

QUESTION 43
You create the following step by using Power Query Editor. =
Table.ReplaceValue(SalesLT_Address,"1318","1319",Replacer.ReplaceText,{"AddressLine1"})
A row has a value of 21318 Lasalle Street in the AddressLine1 column.
What will the value be when the step is applied?

A. 1318
B. 1319
C. 21318 Lasalle Street
D. 21319 Lasalle Street

Answer: D
Explanation:

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Example:
Replace the text "ur" with the text "or" in the table.

```
Table.ReplaceValue(
    Table.FromRecords({
        [a = 1, b = "hello"],
        [a = 3, b = "wurld"]
    }),
    "ur",
    "or",
    Replacer.ReplaceText,
    {"b"}
)
```

a	b
1	hello
3	world

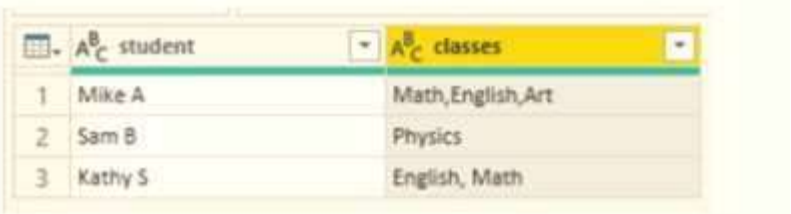
Reference:
https://docs.microsoft.com/en-us/powerquery-m/table-replacevalue

QUESTION 44
You import a large dataset to Power Query Editor.
You need to identify whether a column contains only unique values.
Which two Data Preview options can you use? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point

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

Answer: AD

QUESTION 45
You have a query that returns the data shown in the following exhibit.



	student	classes
1	Mike A	Math,English,Art
2	Sam B	Physics
3	Kathy S	English, Math

You need to configure the query to display the data as shown in the following exhibit.

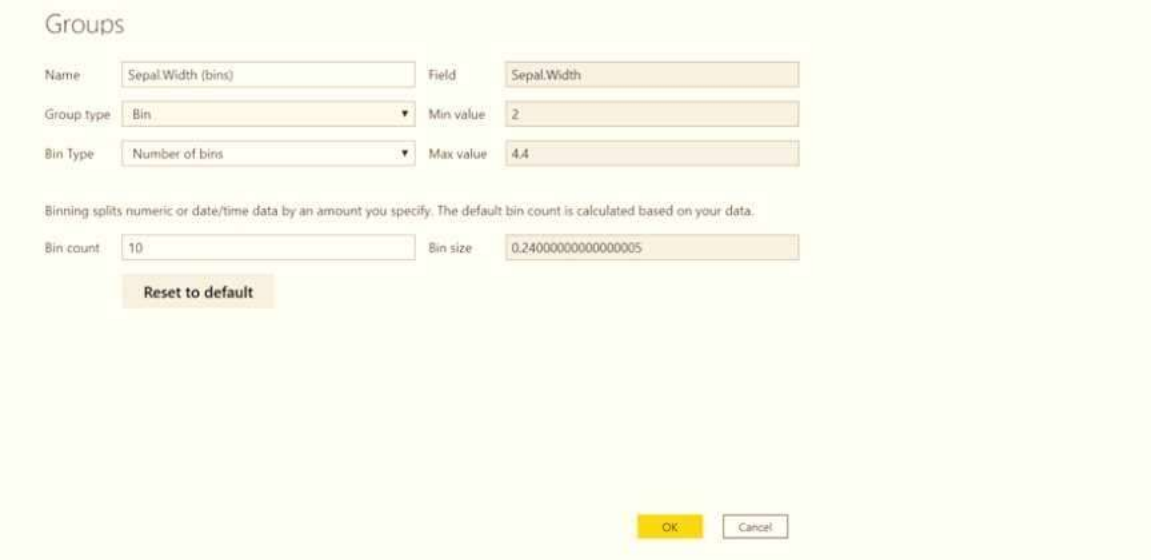
	student	classes
1	Mike A	Math
2	Mike A	English
3	Mike A	Art
4	Sam B	Physics
5	Kathy S	English
6	Kathy S	Math

Which step should you use in the query?

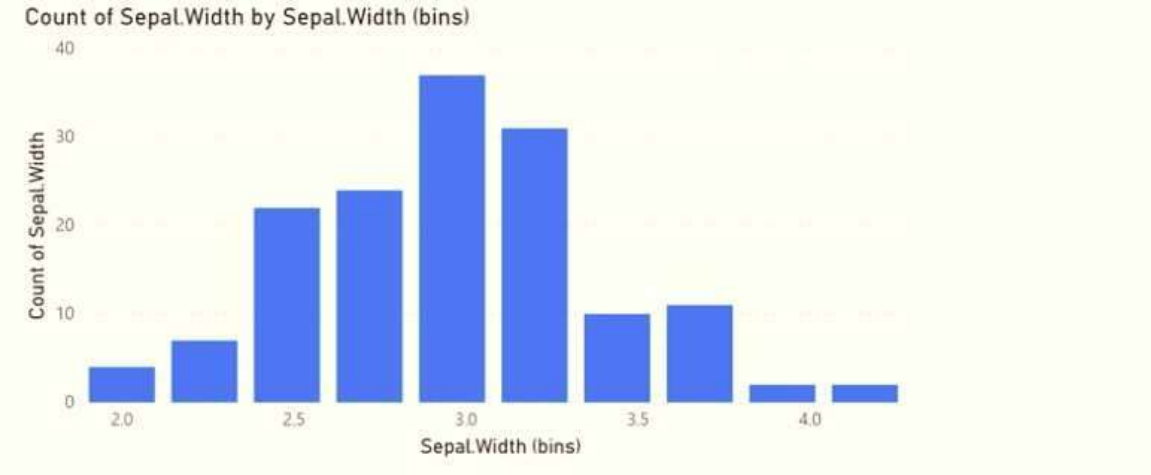
A. =Table.ExpandListColum(Table.TransformColunins(Source, {{"classes". Splitter.SplitTextByDelimiter(",", QuoteStyle.None), let itemType - (type nullable text) meta [Serialized.Text = true] in type {itemType}}}), "classes")
B. = Table.Unpivot(Source, {"classes"}, "Attribute", "Value")
C. = Table.SplitColumn(Source, "classes". Splitter.SplitTextByDelimiterf",", QuoteStyle.None), {"classes.1"})
D. = Table.SplitColumn(Source, "classes". Splitter.SplitTextByPositions({10}), {"classes.1"})

Answer: D

QUESTION 46
Hotspot Question
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.

Answer Area

Statements	Yes	No
The data is segmented into 10 groups.	○	○
The data was split into deciles.	○	○
To increase the bin size, you must decrease the bin count.	○	○

Answer:

Answer Area

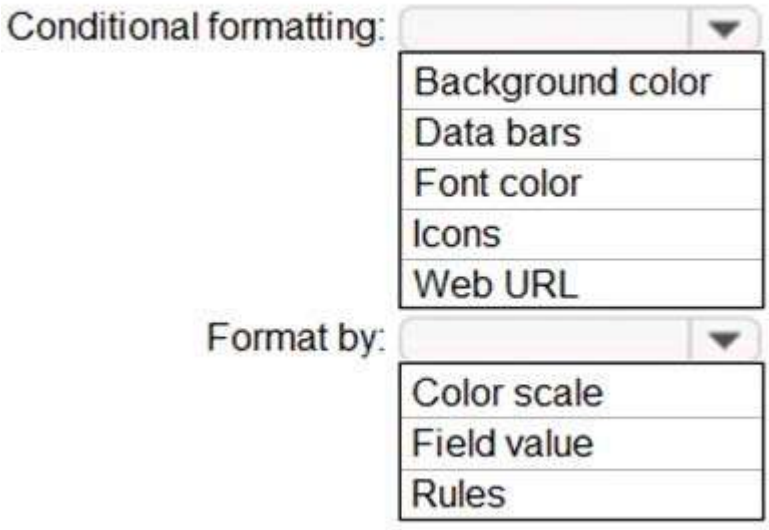
Statements	Yes	No
The data is segmented into 10 groups.	●	○
The data was split into deciles.	○	●
To increase the bin size, you must decrease the bin count.	●	○

QUESTION 47
Hotspot Question
You need to create a visual as shown in the following exhibit.

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

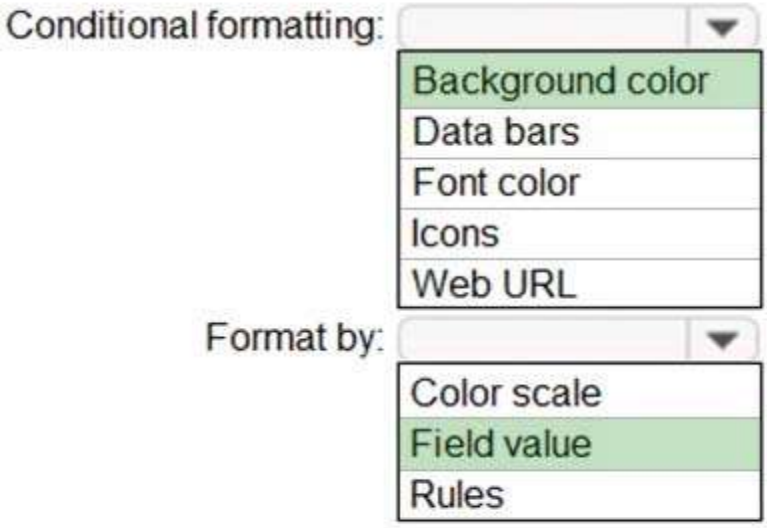
The indicator color for Total Sales will be based on % Growth to Last Year.
The solution must use the existing calculations only.
How should you configure the visual? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

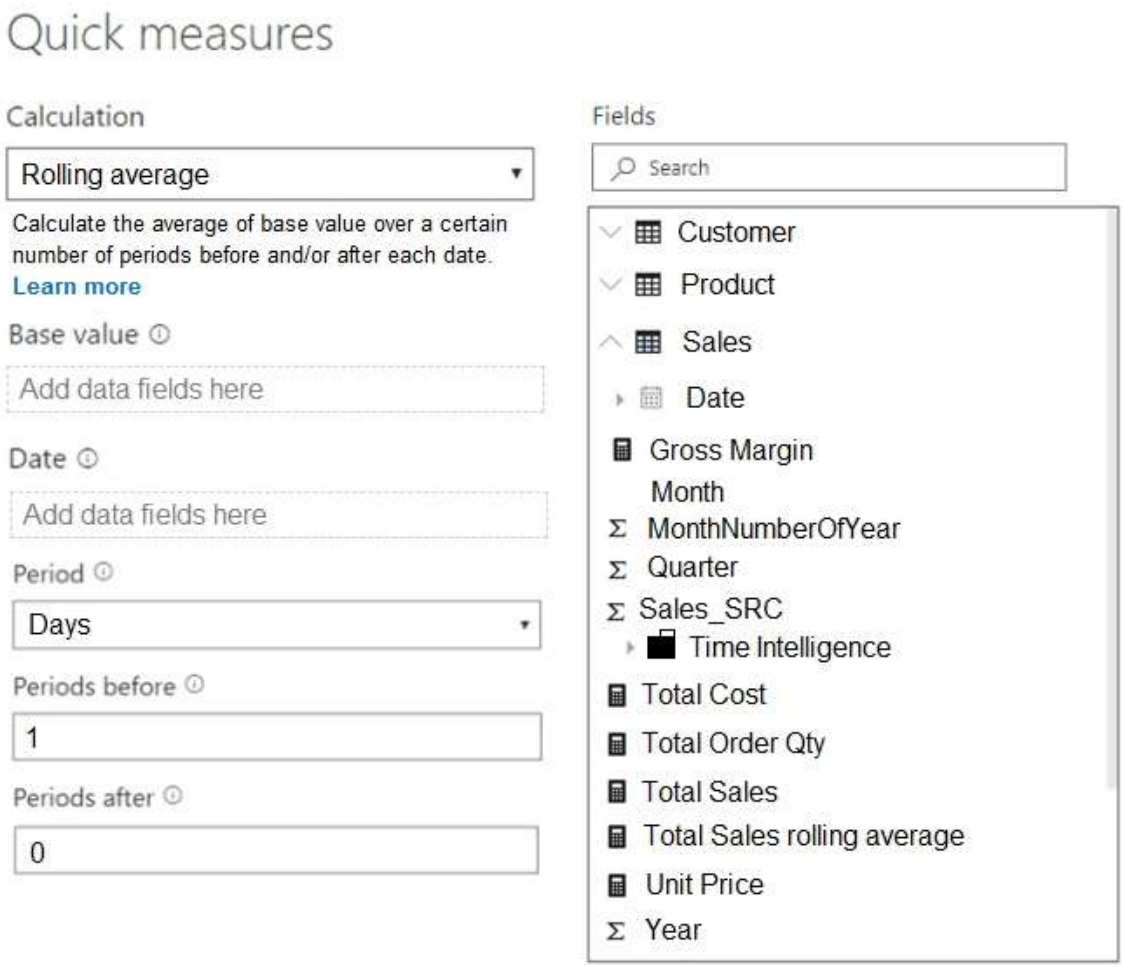


Answer:

Answer Area



QUESTION 48
Hotspot Question
You are creating a quick measure as shown in the following exhibit.



You need to create a monthly rolling average measure for Sales over time.
How should you configure the quick measure calculation? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

Answer:

Answer Area

Explanation:
Box 1: Total Sales
We select the field Total Sales
Box 2: Date
Select a date field.
Box 3: Month
Monthly periods.
Reference:
https://docs.microsoft.com/en-us/power-bi/transform-model/desktop-quick-measures

QUESTION 49
Hotspot Question
You are creating an analytics report that will consume data from the tables shown in the following table.

Table name	Column name	Data type
Sales	sales_id	Integer
	sales_date	Datetime
	Customer_id	Integer
	sales_amount	Floating
	employee_id	Integer
	sales_ship_date	Datetime
	store_id	Varchar(100)
Employee	employee_id	Integer
	first_name	Varchar(100)
	last_name	Varchar(100)
	employee_photo	Binary

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.

Answer Area

Employee_id: Change Type / Delete / Hide / Sort

Employee_photo: Change Type / Delete / Hide / Sort

Answer:

Answer Area

Employee_id: Change Type / **Delete** / Hide / Sort

Employee_photo: Change Type / Delete / **Hide** / Sort

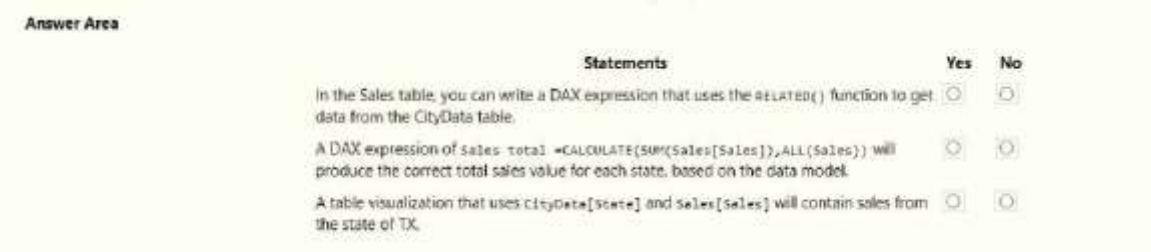
QUESTION 50
Hotspot Question
You are creating a Microsoft Power BI model that has two tables named CityData and Sales. CityData contains only the data shown in the following table.

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

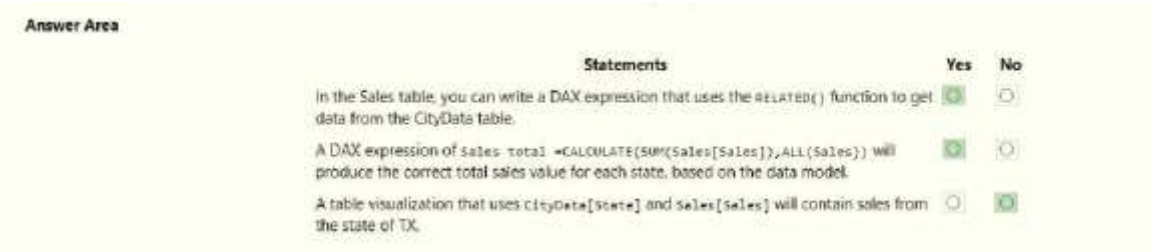
Sales contains only the data shown in the following table.

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

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



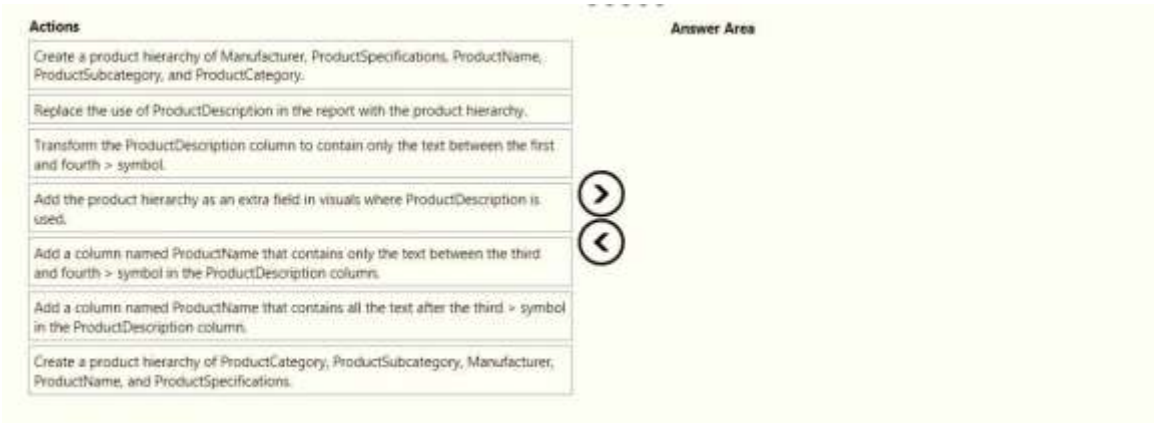
Answer:



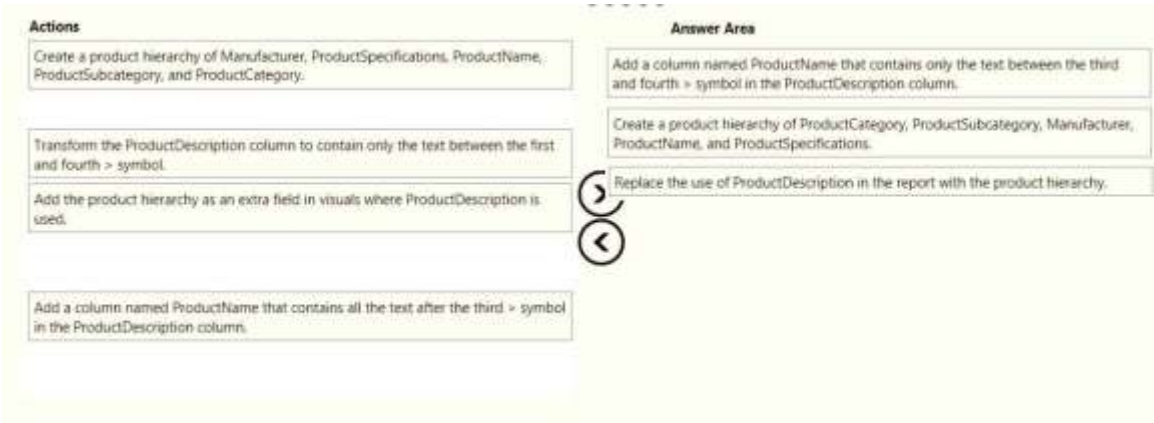
QUESTION 51
Drag and Drop Question
You build a report about warehouse inventory data. The dataset has more than 10 million product records from 200 warehouses worldwide.
You have a table named Products that contains the columns shown in the following table.

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.



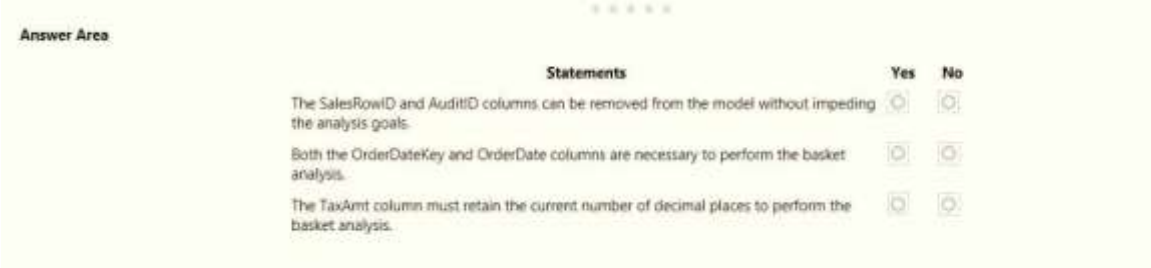
Answer:



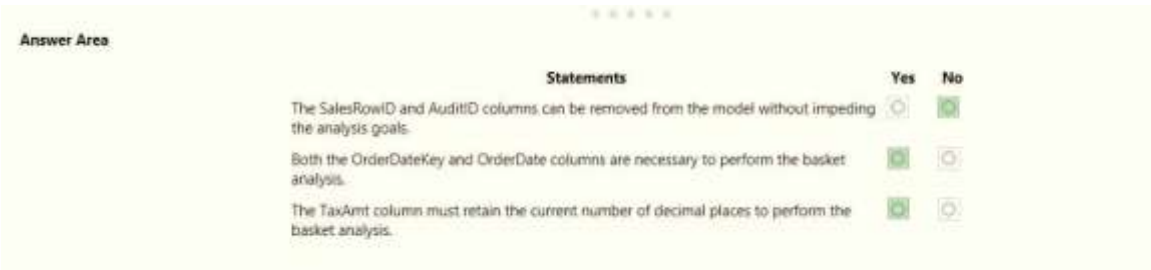
QUESTION 52
Hotspot Question
You are creating a Microsoft Power BI imported data model to perform basket analysis. The goal of the analysis is to identify which products are usually bought together in the same transaction across and within sales territories.
You import a fact table named Sales as shown in the exhibit. (Click the Exhibit tab.)

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

The related dimension tables are imported into the model.
Sales contains the data shown in the following table.
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:

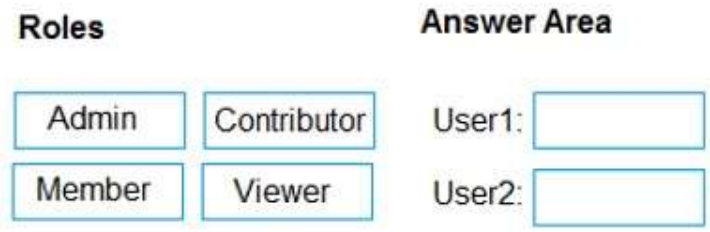


QUESTION 53

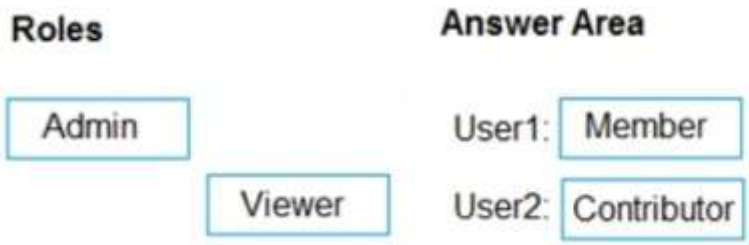
Drag and Drop Question
You have a Microsoft Power Bl workspace.
You need to grant the user capabilities shown in the following table.

User name	Task
User1	Create and publish apps.
User2	Publish reports to the workspace and delete dashboards

The solution must use the principle of least privilege.
Which user role should you assign to each user? To answer, drag the appropriate roles to the correct users. Each role may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.



Answer:



Explanation:
Box 1: Member

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.	✓	✓		
Publish and change permissions for an app	✓	✓		
Update an app.	✓	✓	If allowed [1]	

Incorrect Answers:
Contributors can update the app metadata but not publish a new app or change who has permission to the app.
Box 2: Contributor

Capability	Admin	Member	Contributor	Viewer
Create, edit, and delete content in the workspace.	✓	✓	✓	
Publish reports to the workspace, delete content.	✓	✓	✓	

Reference:
https://docs.microsoft.com/en-us/power-bi/collaborate-share/service-new-workspaces

QUESTION 54
Hotspot Question
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 paint on the Tailspin Toys line on the line chart will **[answer choice]** the map.

- cross-filter
- cross-highlight
- not affect

Answer:

Answer Area

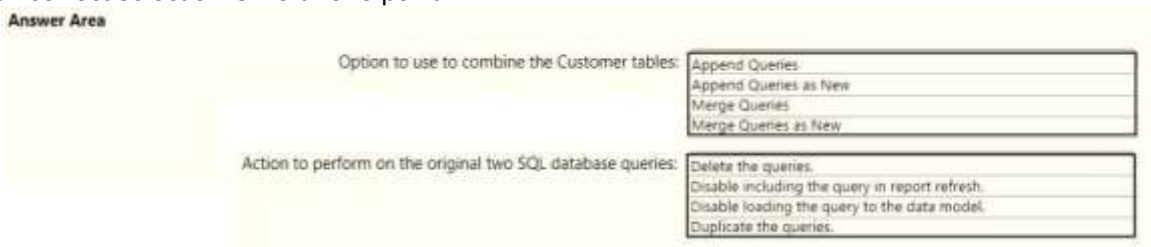
Selecting a quarter on the line chart will **[answer choice]** the clustered column chart.

- cross-filter
- cross-highlight
- not affect

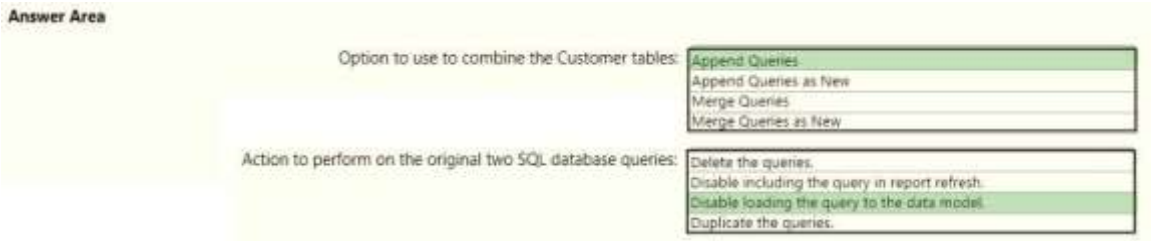
Selecting a data paint on the Tailspin Toys line on the line chart will **[answer choice]** the map.

- cross-filter
- cross-highlight
- not affect

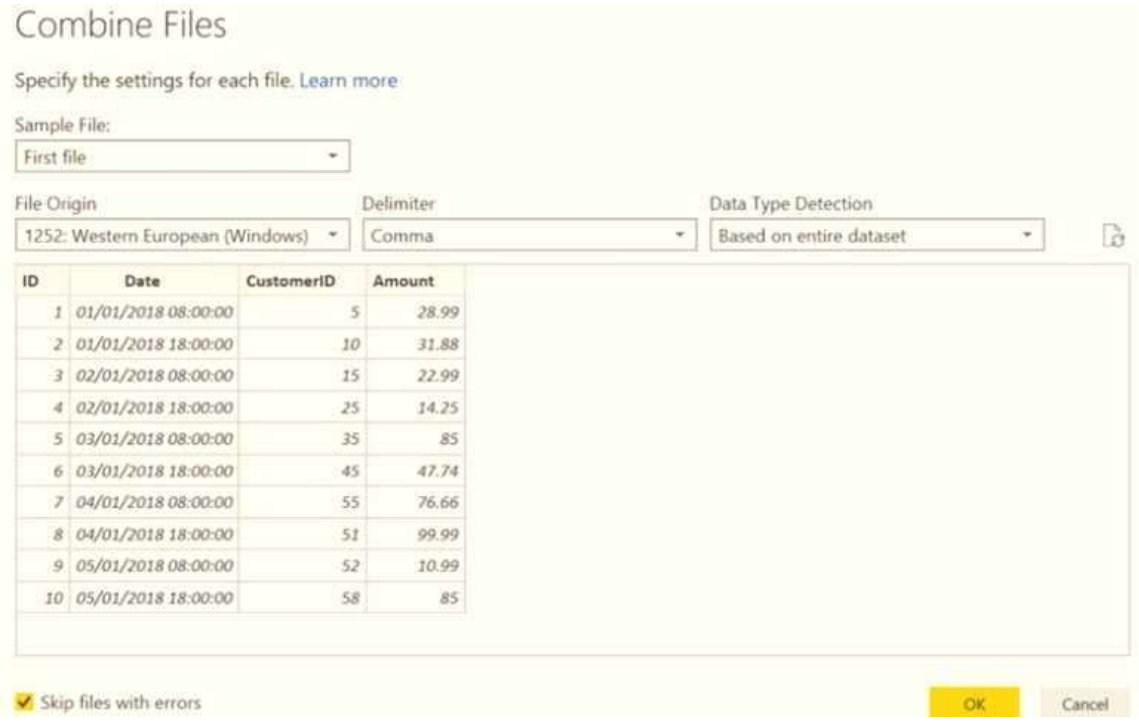
QUESTION 55
Hotspot Question
You have two Azure SQL databases that contain the same tables and columns. For each database, you create a query that retrieves data from a table named Customers.
You need to combine the Customer tables into a single table. The solution must minimize the size of the data 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:



QUESTION 56
Hotspot Question
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.)



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

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

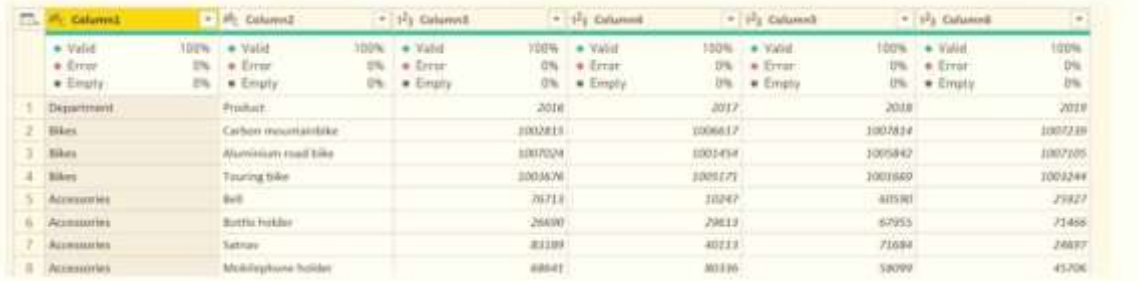
Statements	Yes	No
The resulting query will contain all the columns from the 2018 transactions.	○	○
The resulting query will contain all the columns from the 2019 transactions.	○	○
Setting Data Type Detection to **Based on first 200 rows** will improve import times.	○	○

Answer:

Answer Area

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.	●	○

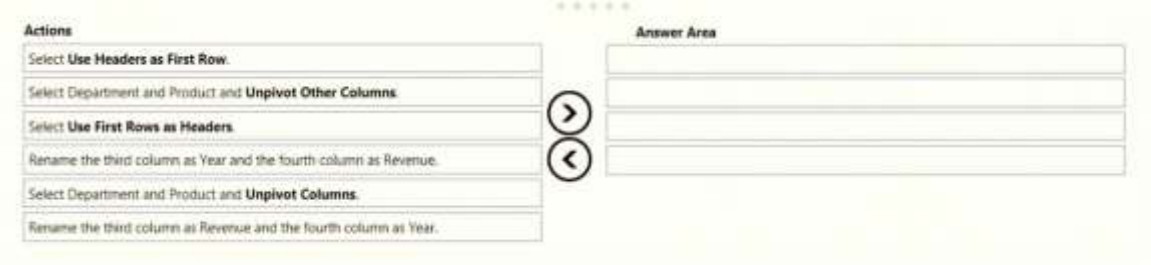
QUESTION 57
Drag and Drop Question
You receive revenue data that must be included in Microsoft Power BI reports. You perform an initial load of the data from a Microsoft Excel source as shown in the following exhibit.



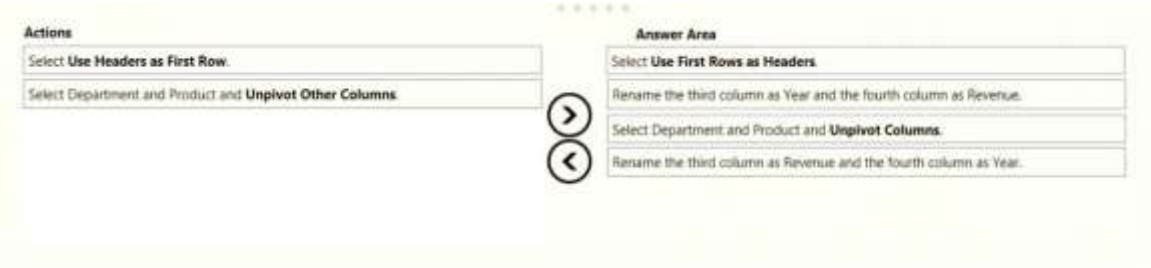
	Column1	Column2	Column3	Column4	Column5	Column6
1	Department	Product	2016	2017	2018	2019
2	Bikes	Carbon mountainbike	1002813	1006617	1007814	1007239
3	Bikes	Aluminium road bike	1007024	1001454	1005842	1007105
4	Bikes	Touring bike	1003676	1005171	1003669	1003244
5	Accessories	Bell	76713	10247	405981	27827
6	Accessories	Bottle holder	26690	29813	67955	71466
7	Accessories	Satnav	83189	40213	71684	24897
8	Accessories	Mobilephone holder	68641	80136	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.

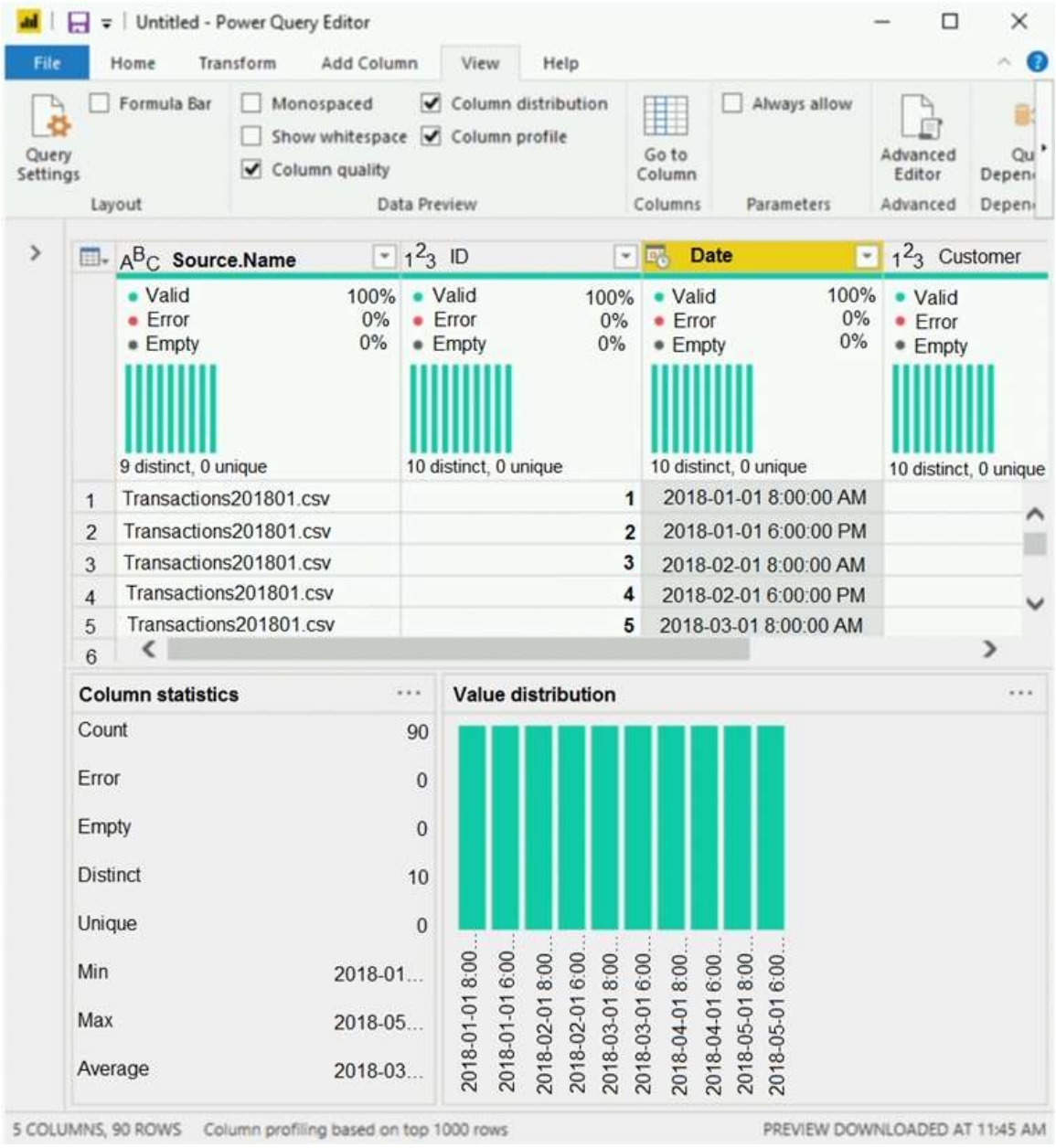
Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



Answer:



QUESTION 58
Hotspot Question
You view a query named Transactions as shown in the following exhibit.

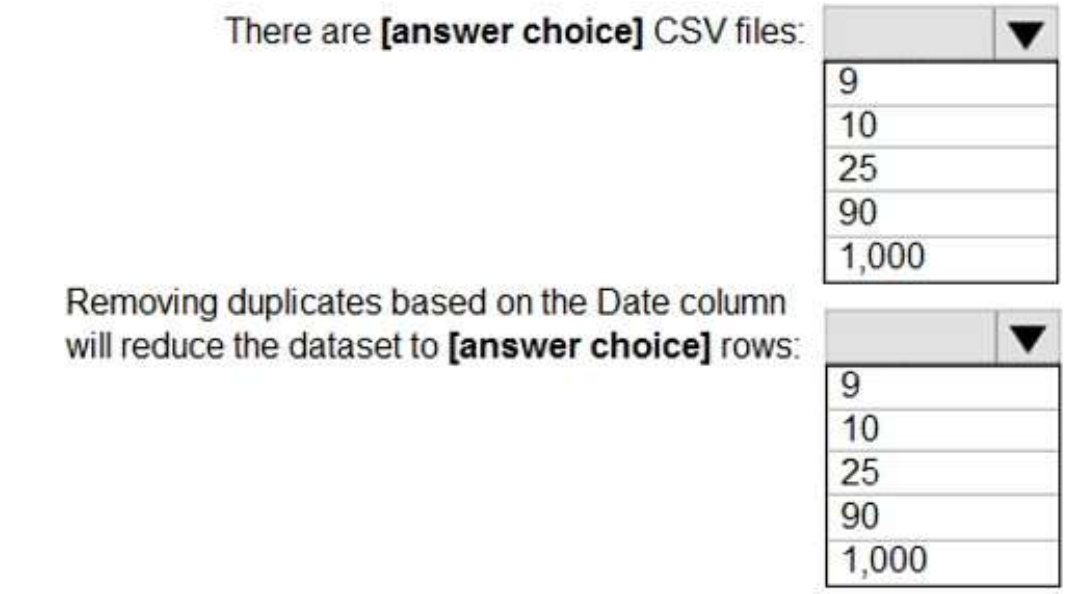


The query gets CSV files from a folder.

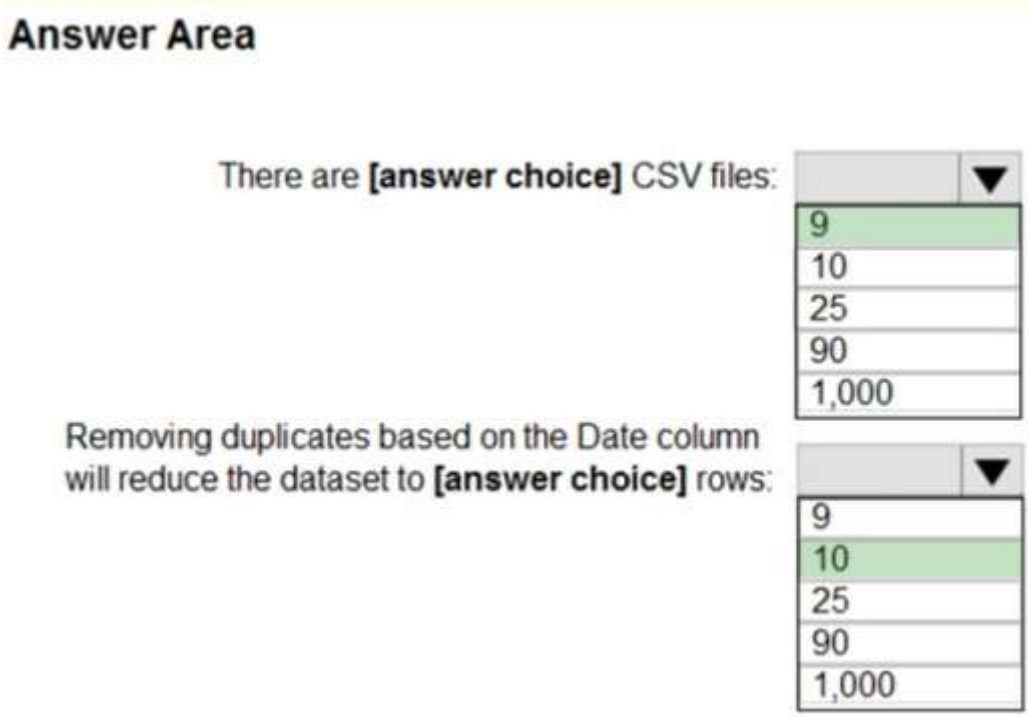
Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Answer Area



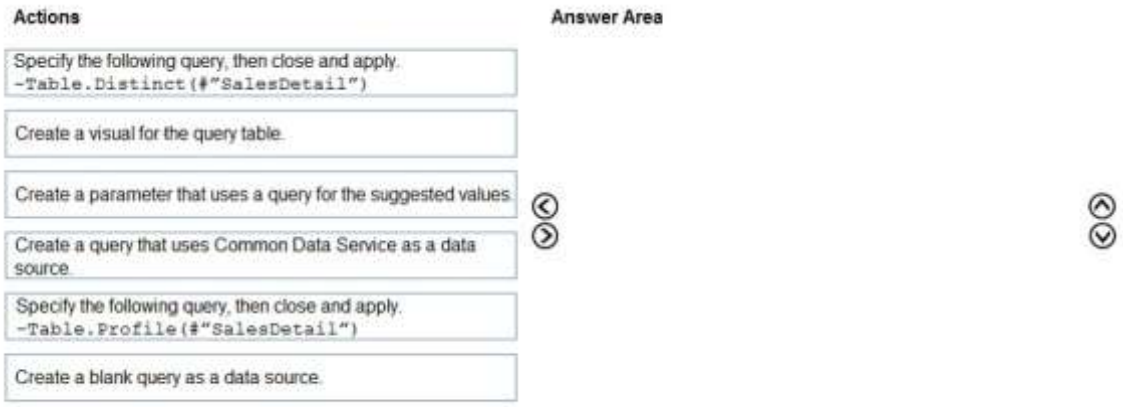
Answer:



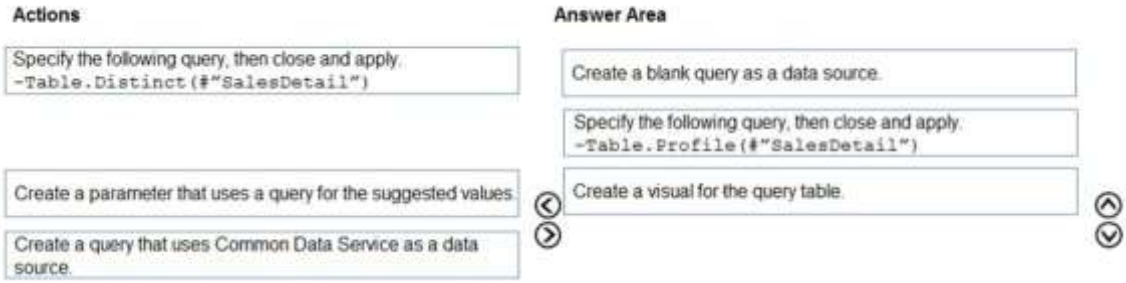
Explanation:
Box 1: 9
9 distinct CSV files.
Box 2: 10
10 distinct dates.

QUESTION 59
Drag and Drop Question
You are modeling data in table named SalesDetail by using Microsoft Power BI.
You need to provide end users with access to the summary statistics about the SalesDetail data.

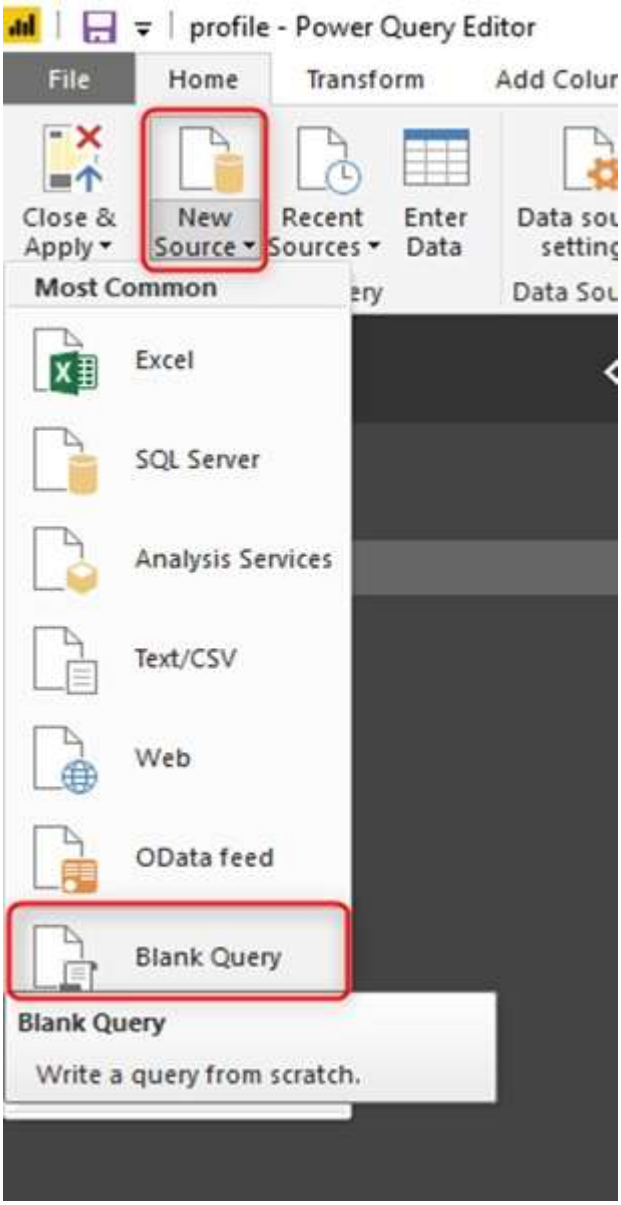
The users require insights on the completeness of the data and the value distributions.
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



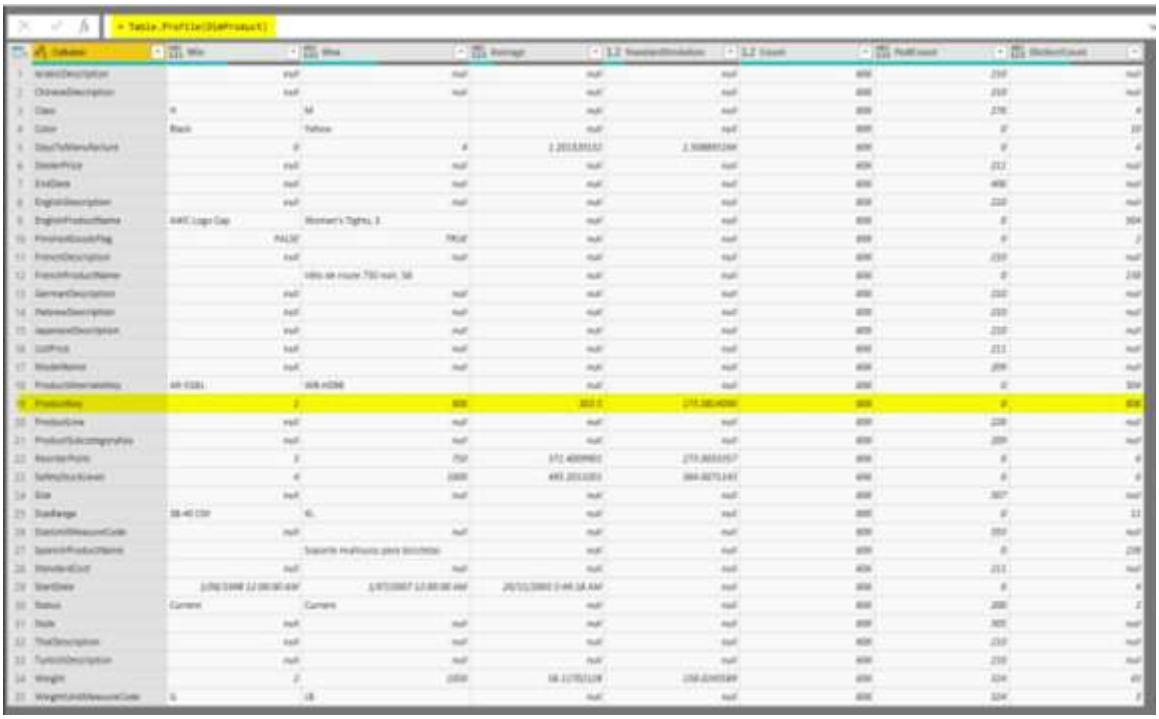
Answer:



Explanation:
Step 1: Create a blank query as a data source
Start with a New Source in Power Query Editor, and then Blank Query.



Create a parameter that use a query for suggested values.
Step 2: Specify the following query, then close and apply. -Table.Profile(#¨SalesDetail")
In the new blank query, in the formula bar (if you don't see the formula bar, check the formula bar option in the View tab of the Power Query Editor), type below expression:
=Table.Profile()
Note that this code is not complete yet, we need to provide a table as the input of this function.
Note: The Table.Profile() function takes a value of type table and returns a table that displays, for each column in the original table, the minimum, maximum, average, standard deviation, count of values, count of null values and count of distinct values.
Step 3: Create a visual for the query table.
The profiling data that you get from Table.Profile function is like below;



After loading the data into Power BI, you'll have the table with all columns, and it can be used in any visuals.
Reference:
https://radacad.com/create-a-profiling-report-in-power-bi-give-the-end-user-information-about-the-data

QUESTION 60
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. Click Replace Errors... and enter a value of.
Does this meet the goal?

A. Yes
B. No

Answer: A

QUESTION 61
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, open Advanced Editor and add the following query step.

```
#"Replaced Errors"=Table.ReplaceErrorValues(#"Changed Type",{{"CustomerID",0}})
```

Does this meet the goal?

A. Yes
B. No

Answer: B

QUESTION 62
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

QUESTION 63
You have a Power BI model for sales data. You create a measure to calculate the year-to-date sales.
You need to compare the year-to-date sales with the previous year for the same time period.
Which DAX function should you use?

A. LASTDATE
B. TOTALYTD
C. SAMEPERIODLASTYEAR
D. PREVIOUSYEAR

Answer: C

QUESTION 64
From the Home tab in Power BI Desktop, you click **Enter Data** and create a table named Sales that contains the following data.

Region	Sales
Canada	100
Canada	900
Italy	500
Spain	800
US	200
US	1000

You add Region and Sales to visualization and the visualization displays the following data.

Sales	Region
1000	Canada
500	Italy
800	Spain
1200	US

What causes the visualization to display four rows of data instead of six?

A. the Data Category of Region
B. the Default Summarization on Region
C. the Default Summarization on Sales
D. the Data Category of Sales

Answer: B

QUESTION 65
You have a table named Sales. A sample of the data in Sales is shown in the following table.

SalesOrderID (WholeNumber)	ProductName (Text)	OrderQty (Whole Number)	OrderDate (Date)	UnitPrice (Decimal Number)	TotalPrice (Decimal Number)
71774	Bike	1	May 1, 2017	356.898	356.898
71774	Car	1	May 1, 2017	356.898	356.898
71775	Train	1	May 2, 2017	1430.442	1430.442
71775	Puzzle	3	May 2, 2017	63.9	191.7
71775	Skateboard	4	May 3, 2017	32.394	129.576
71776	Doll	1	May 4, 2017	63.9	63.9

You create a stacked column chart visualization that displays ProductName by Date.
You discover that the axis for the visualization displays all the individual dates. You need to ensure that the visualization displays ProductName by year and that you can drill down to see ProductName by week and day.
What should you do first?

A. Create a new table that has columns for the date, year, week, and day.
B. Create a new hierarchy in the Sales table.
C. Format the visualization and set the type of the X-Axis to Categorical.
D. Configure a visual filter for the Date column that uses an advanced filter.

Answer: A
Explanation:
You need to display it by WEEK, which is not auto-done. So A is the first thing to do.