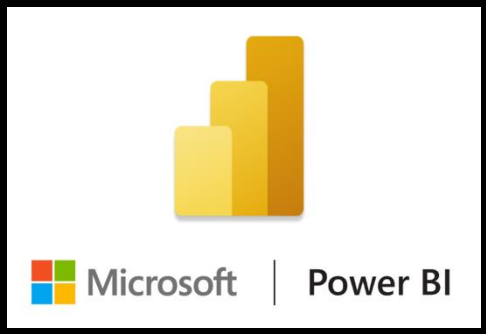
PL-300 ANALYZING DATA WITH PBI UPDATED

Part - II



Topic 1, Litware, Inc. Case Study

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

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To start the case study
To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Overview
Litware, Inc. is an online retailer that uses Microsoft Power Bl dashboards and reports.

The company plans to leverage data from Microsoft SQL Server databases, Microsoft Excel files, text files, and several other data sources.

Litware uses Azure Active Directory (Azure AD) to authenticate users.

- Existing Environment Sales Data
Litware has online sales data that has the SQL schema shown in the following table.

Table name	Column name	Data type
Sales_Region	region_id	Integer
	name	Varchar
Region_Manager	region_id	Integer
	manager_id	Integer
Sales_Manager	sales_manager_id	Integer
	name	Varchar
	username	Varchar
Sales	sales_id	Integer
	sales_date_id	Integer
	sales_amount	Floating
	customer_id	Integer
	sales_ship_date_id	Integer
	region_id	Varchar
Customer_Date	customer_id	Integer
	first_name	Varchar
	last_name	Varchar
Date	date_id	Integer
	date	Date
	month	Integer
	week	Integer
	year	Integer
Weekly_Returns	week_id	Integer
	total_returns	Floating
	sales_region_id	Varchar
Targets	target_id	Integer
	sales_target	Decimal
	date_id	Integer
	region_id	Integer

In the Date table, the dateid column has a format of yyyymmdd and the month column has a format of yyyymm. The week column in the Date table and the weekid column in the Weekly_Returns table have a format of yyyyww. The regionid column can be managed by only one sales manager.

Data Concerns

You are concerned with the quality and completeness of the sales data. You plan to verify the sales data for negative sales amounts.

Reporting Requirements

Litware identifies the following technical requirements:

- Executives require a visual that shows sales by region.
- Regional managers require a visual to analyze weekly sales and returns.
- Sales managers must be able to see the sales data of their respective region only.
- The sales managers require a visual to analyze sales performance versus sales targets.
- The sale department requires reports that contain the number of sales transactions.
- Users must be able to see the month in reports as shown in the following example: Feb 2020.
- The customer service department requires a visual that can be filtered by both sales month and ship month independently.

Question 1:

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

A. a calculated column that uses the following formula: **IF(ISBLANK(Sales[sales_amount],0,(sales[saies_amount])**)

B. a measure that uses the following formula: SUMX(FILTER('Sales' , 'Sales'[sales_amount] > 0)), [sales_amount])

C. a Measure that uses the following formula: sum(sales[sales_arnount])

D. a calculated column that uses the following formula: ABS(Sales [Sales_amount])

Question 2:

You need to get data from the Microsoft SQL Server tables.

What should you use to configure the connection?

A. DirectQuery that uses the end-user's credentials

B. DirectQuery that uses a database credential

C. Import that uses a Microsoft account

D. Import that uses a database credential

Question 3:

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. Add the user as a member of Workspace1.

B. Share RPT1 with the user.

C. Add the user as a Viewer of Workspace1.

D. Grant the Build permission for GS1 to the user.

Question 4:

You have more than 100 published datasets.

Ten of the datasets were verified to meet your corporate quality standards.

You need to ensure that the 10 verified datasets appear at the top of the list of published datasets whenever users search for existing datasets.

What should you do?

A. Certify the datasets.

B. Promote the datasets.

C. Publish the datasets in an app.

D. Feature the dataset on The home page.

Question 5:

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

View1 contains the columns shown in the following table.

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

View2 contains the columns shown in the following table.

Name	Data Type
Class ID	Bigint
Class Name	Varchar(200)
Class Subject	Varchar(100)
Teacher 10	Int
Teacher First Name_	Varchal (100)
Teacher Last Name	Varchar(100)
Period Number	Tinyint
School Year	Varchar(50)
Period Start Time	Time
Period End Time	Time

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

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

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

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

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

NOTE: Each correct selection is worth one point.

Answer Area

Teacher First Name:

Attendance fact
Class dimension
Period dimension
Period fact

Period Number

Attendance fact
Class dimension
Period dimension
Period fact

Question 6:

You plan to create a report that will display sales data from the last year for multiple regions,

You need to restrict access to individual rows of the data on a per region-basis by using roles,

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

Actions	**Answer Área**
1. Assign users to the role.	**4.** Create a role definition.
2. Import the data to Power BI Desktop	**3.** Add a filter to the report.
3. Add a filter to the report.	**2.** Import the data to Power BI Desktop
4. Create a role definition.	**1.** Assign users to the role.
5. Publish the report	

You import a Power BI dataset that contains the following tables:
• Date
• Product
• Product Inventory
The Product Inventory table contains 25 million rows. A sample of the data is shown in the following table.

ProductKey	DateKey	MovementDate	UnitCost	Unitsin	UnitsOut	UnitsBalance

167	20101228	28-Dec-10	0.19	0	0	875
167	20101229	29-Dec-10	0.19	0	0	875
167	20110119	19-Jan-11	0.19	0	0	875
167	20110121	21-Jan-11	0.19	0	0	875
167	20110122	22-Jan-11	0.19	0	0	875

The Product Inventory table relates to the Date table by using the DateKey column. The Product Inventory table relates to the Product table by using the ProductKey column.

You need to reduce the size of the data model without losing information

What should you do?

A. Change Summarization for DateKey to **Don t Summarize.**

B. Change the data type of UnitCost to **Integer**.

C. **Remove MovementDate**.

D. Remote the relationship between Date and Product Inventory.

Question 7:

You have a Power BI report

You have the following tables.

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

You have the following DAX measure.

```
Accounts =
CALCULATE (
        DISTINCTCOUNT (Balances[AccountID]),
        LASTDATE ('Date'[Date])
```

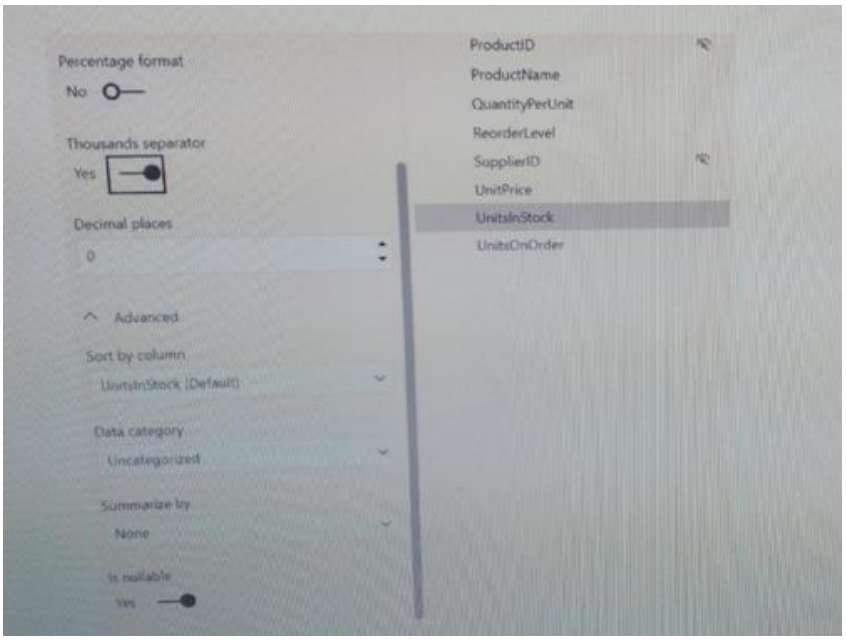
For each of the following statements, select **Yes** if the statement is true. Otherwise, select **No**.

Answer Area

Statements	YES	NO
A table visual that displays the date hierarchy at the year level and the [Accounts] measure will show the total number of accounts that were live throughout the year.		x
A table visual that displays the date hierarchy at the month level and the [Accounts] measure will show the total number of accounts that were live throughout the month.		x
A table visual that displays the date hierarchy at the day level and the [Accounts] measure	x	

will show the total number of accounts that were live that day.

Question 8:



UnitsInStock has 75 non-null values, of which 51 are unique.
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

When a table visual is created in a report and UnitsInStock is added to the values, there will be [**answer choice**] in the table:

0 rows
1 rows
51 rows
75 rows

Changing the Summarize by setting of the UnitsInStock Column, and then adding the column to a table visual will [**answer choice**] the number of rows in the table visual:

maintain
reduce
increase

Question 9:

You have a Power BI report named Orders that supports the following analysis:

- Total sales over time
- The count of orders over time
- New and repeat customer counts

The data model size is nearing the limit for a dataset in shared capacity.
The model view for the dataset is shown in the following exhibit.

The data view the Orders table is shown in the following exhibit.

OrderID	CustomerID	MovementDate	ProductID	UnitPrice	Quantity	Discount	SalesTotal
10293	TORTU	8/29/1996 12:00:00 AM	18	$50	12	0	600
10294	TORTU	8/29/1996 12:00:00 AM	63	$35.1	5	0	175.5
10295	TORTU	8/29/1996 12:00:00 AM	75	$6.2	6	0	37.2
10296	RATIC	8/29/1996 12:00:00 AM	1	$14.4	18	0	259.2

The Orders table relates to the Customers table by using the CustomerID column.

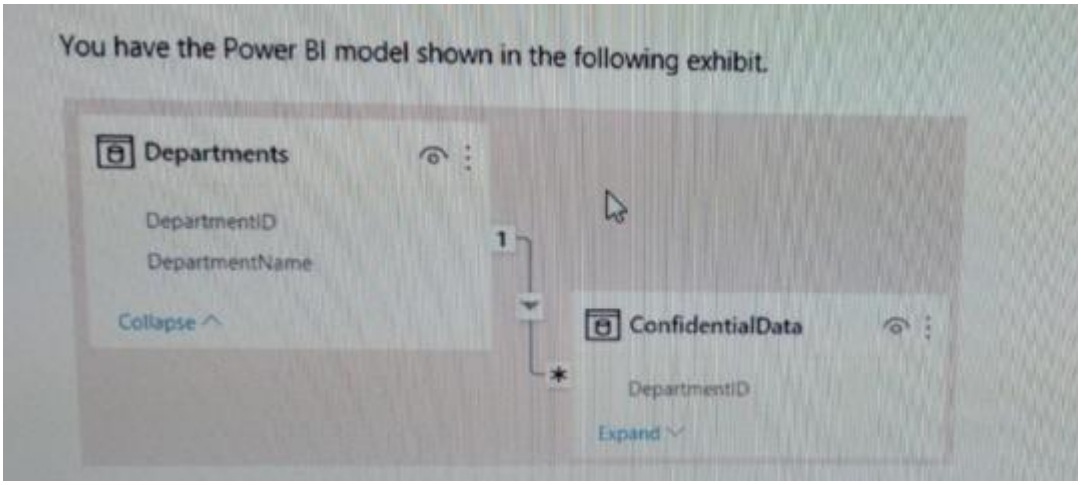
The Orders table relates to the Date by using the OrderDate column.

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

NOTE: Each correct selection is worth one point

Answer Area:

Statements	**YES**	**NO**
Summarizing Orders by the CustomerID, OrderID, anda OrderDate columns will reduce the model size while still supporting the current analysis	**x**	
Removing the CustomerID column from Orders will reduce the model size while still Supporting the current analysis.		**x**
Removing the UnitPrice and Discount columns from Orders will reduce the model size while Still supporting the current analysis.		**x**



There are four departments in the Departments table.

You need to ensure that users can see the data of their respective department only.

What should you do?

A. To the ConfidentialData table, add a calculated measure that uses the CuRRENTGROUP DAX function.

B. Create a row-level security (RLS) role for each department and then define the membership of the role.

C Create a slicer that filters Departments based on DepartmentID.

D. Create a DepartmentID parameter to filter the Departments table.

Question 10:

You have a PBIX file that imports several tables from an Azure SQL database.

The data will be migrated to another Azure SQL database.

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

What should you do?

A. From Power Query Editor. modify the source of each query.

B. From Power Query Editor, create new queries.

C. Modify the Data source settings.

D. Create a PBIT file, open the file. and change the data sources when prompted.

Case Study

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included in this exam in the time provide.

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Overview

Litware, Inc. is an online retailer that uses Power BI.

Litware plans to leverage data from an Azure SQL database that stores data for the company’s live e-commerce website.

Litware uses Azure Active Directory (Azure AD) to authenticate users.

Litware has online sales data that has the SQL Schema shown in the followong table.

Table name	Column name	Data type
Sales_Region	region_id	Integer
	name	Varchar
Region_Manager	region_id	Integer
	manager_id	Integer
Sales_Manager	sales_manager_id	Integer
	name	Varchar
	username	Varchar
Sales	sales_id	Integer
	sales_date_id	Integer
	sales_amount	Floating
	customer_id	Integer
	sales_ship_date_id	Integer
	region_id	Varchar
Customer_Date	customer_id	Integer
	first_name	Varchar
	last_name	Varchar
Date	date_id	Integer
	date	Date
	month	Integer
	week	Integer
	year	Integer
Weekly_Returns	week_id	Integer
	total_returns	Floating
	sales_region_id	Varchar
Targets	target_id	Integer
	sales_target	Decimal
	date_id	Integer
	region_id	Integer

In the Date table, the date_id column has a format of yyyymmdd and the month column has a format of yyyymm.

The week column in the Date table and the week_id column in the Weekly_Returns table have a format of yyyyww.

In the Sales table, the sales_id column represents a unique transaction.

Data Concerns

You are concerned with the quality and completeness of the sales data. You must ensure that negative and missing sales amount values do **NOT** contribute to the total sales amount calculation.

Reporting Requirements

Litware identifies the following technical requirements:

• Executives require a visual that shows sales by region.

• Executives require a visual that shows returns by region manager and the sales managers that report to them.

• The Sales managers must be able to see only the sales data of their respective region.

• The sales managers require a visual to analyze sales performance versus sales targets.

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

• Users must be able to see the month in each reports as shown in the following example: Feb 2020.

• The customer service department requires a visual that can be filtered by both sales month and ship month independently.

• The maximum allowed latency to include transactions in reports is five minutes

Question 1: You merge data from Sales_Region, Region_Manager, Sales_Manager, and Manager into a single table named Region.

What should you do next to meet the reporting requirements of the executives?

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

Answer: D

Question 2: What should you do next to meet the reporting requirements of the sales department?

A. a measure that uses the following formula: SUMX(FILTER('Sales', 'Sales' [sales_amount] > 0)),[sales_amount])
B. a calculated column that uses the following formula: IF (ISBLANK(Sales[sales_amount]), 0, (Sales[sales_amount]))
C. a calculated column thar uses the following formula: ABS (Sales[sales_amount])
D. a measure that uses the following formula: SUM (Sales[sales_amount])

Answer: D

Question 3: You need to get data from the Microsoft SQL Server tables.

What should you use to configure the connections?

A. DirectQuery that uses the end-user's credentials
B. Import that uses a database credentials
C. Import thar uses a Microsoft account
D. DirectQuery that uses database credential

Answer: D

Question 4 You publish the dataset to powerbi.com

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

NOTE: Each correct selection is worth one point.

Answer Area

Statements

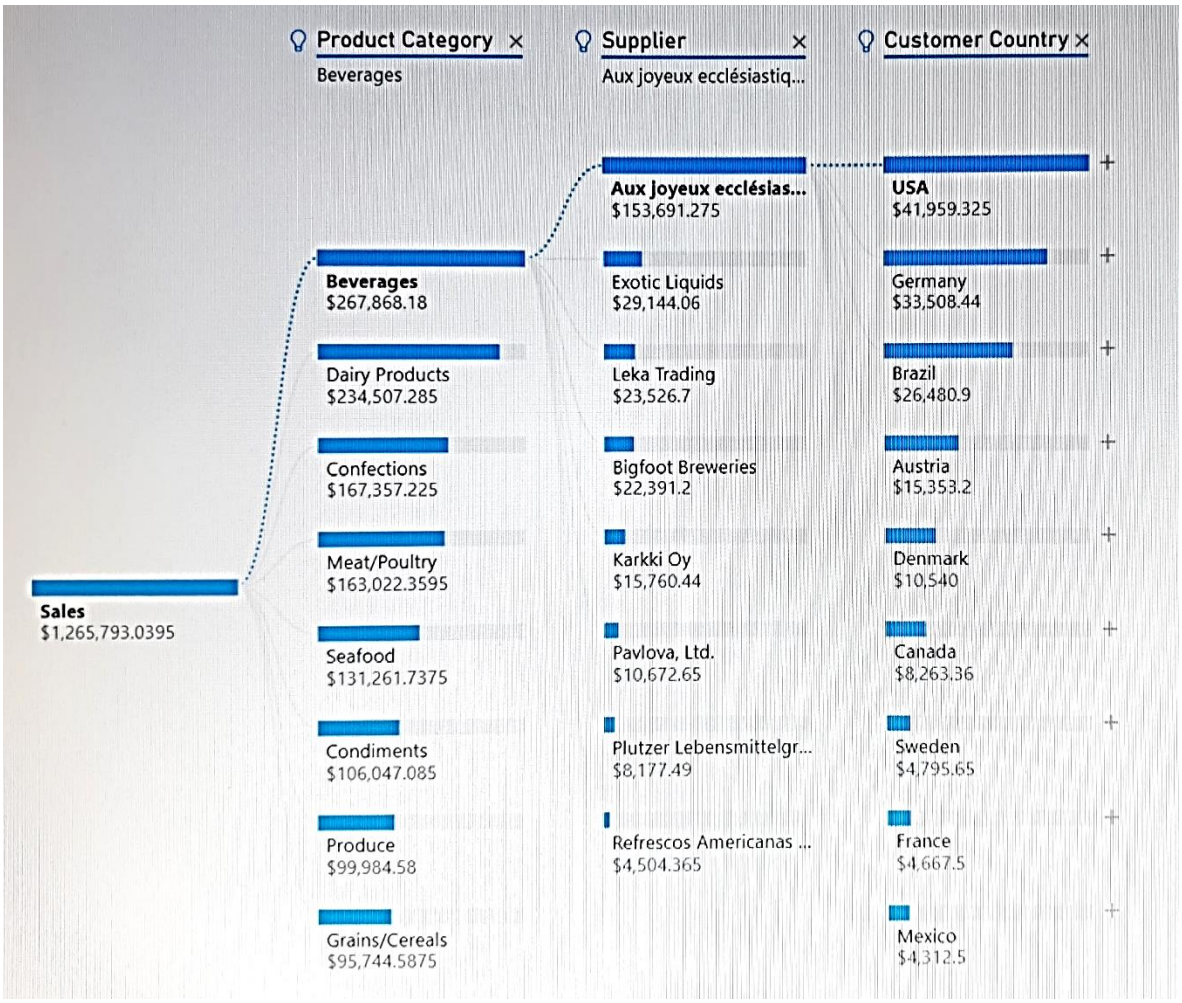
	Yes	No
You need an on-permises data gateway to refresh the dataset		
You need to configure a scheduled refresh of the dataser		
Yu can use Basic authentication on the dataset to connect to the data.		

Answer: No, No, Yes

Question 5 You need to create a visual that enables the adhoc exploration of data as shown in the following exhibit.

What type of visual should you use?

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



Answer: D

Question 6: You have a Power BI workspace that contains a single page report named Sales

You need to add all the visuals from Sales to a dashboard. The solution must ensure that addiotional visuals added to the page are added automatically to the dashboard.

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

Actions	Answer Area
Pin each visual	2
Open **powerbi.com**	3
Open the S**ales report**	5
Open **Power BI Desktop**	
Pin the page	
Create a new report	

Answer:

1. Open **powerbi.com**
2. Open the S**ales report**
3. Pin the page

Question 7: You have a report in Power BI named report1 that is based on a shared dataset.

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

What should you do?

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

Answer: C

Question 8: You have a Power BI report hosted on powerbi.com that displays expenses by department for department managers.

The report contains a line chart that shows expenses by month

You need to enable users to choose between viewing the report as a line chart or a column chart. The solution must minimize development and maintenance effort.

What should you do?

A. Create a mobile report that contains a column chart
B. Enable report readers to personalize visuals
C. Add column chart, bookmark, and a button for users to choose a visual
D. Create a separate report page for users to view the column chart

Answer: C

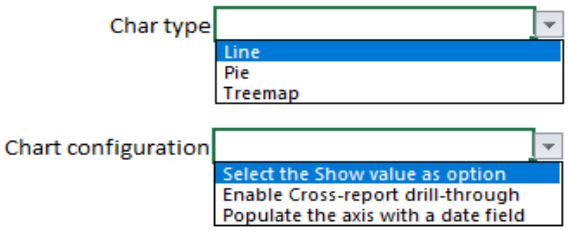
Question 9: You have a dataset that contains revenue data from the past year

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

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

NOTE: Each correct selection is worth one point.

Answer Area



Char type: Pie

A. Line
B. Pie
C. Treemap

Answer: C

Chart configuration

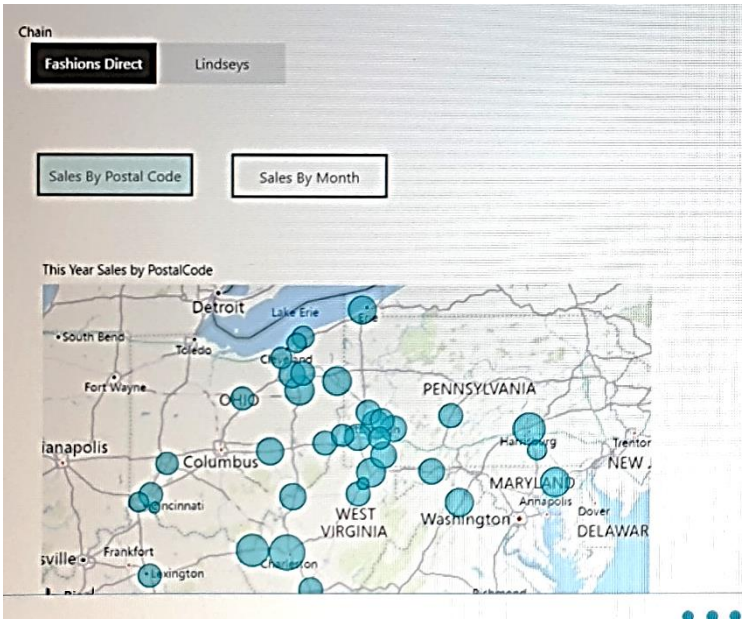
A. Select the Show value as option
B. Populate the axis with a date field
C. Enable Cross-report drill-throuhg

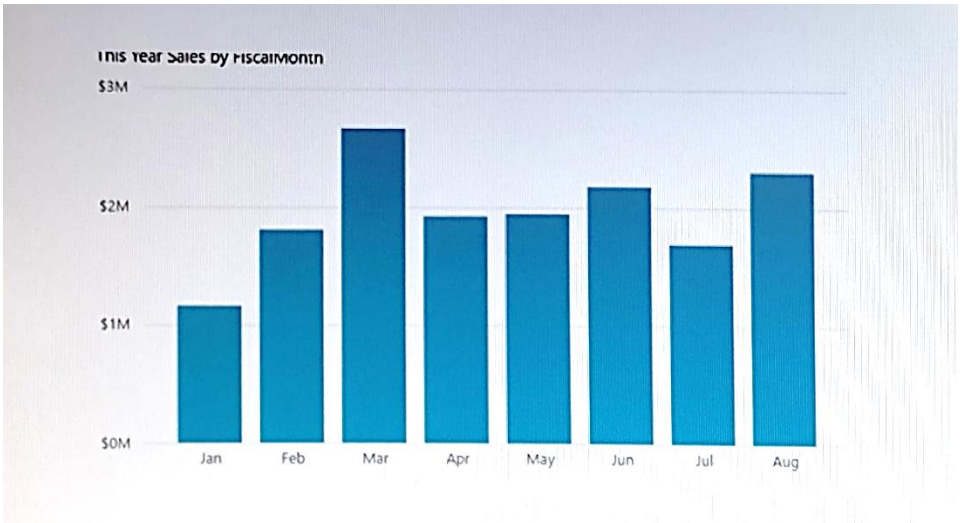
Answer: B

Question 10: You need to create a Power BI report. The first page of the report must contain the following two views:

- **Sales By Postal code**
- **Sales by Month**

Both views must display a slicer to select a value for a field named Chain. The Sales By Postal Codeview must display a map visual as shown in the following exhibit.





Users must be able to switch between the views by using buttons on the report page. The selected Chain filed must be maintained when swithching between views.

What is the minimum number of bookmarks required, and which property should you apply to each bookmark? To answer, select the appropriate options in the asnwer area.

NOTE: Each correct selection is worth one point.

Answer Area

Minimum number of bookmarks:

1
2
3
4

Property

Data
Display
Current page

Minimum number of bookmar

A. 1
B. 2

C. 3
D. 4

Answer: 2

Property

A. Data
B. Display
C. Current page

Answer: B

Question 11: You have a Power BI workspace that contains several reports

You need to provide a user with the ability to create a dashboard that will use the visuals from the report.

What should you do?

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

Answer: D

Question 12: You have a Power BI workspace that contains a datasaet, a report, and a dashboard. The following groups have access:

- External users can access the dashboard
- Managers can access the dashboard and a manager specific report
- Employees can access the dashboard and a row-level security (RLS) constrained report.

You need all users, including the external users, to be able to tag workspace administrators if they identify an issue with the dashboard. The solution must ensure that other users see the issues that were raised.

What should you do?

A. Chat in Microsoft Teams
B. Subscriptions
C. Comments
D. Alerts

Answer: C

Question 13: You have two Power BI reports named ReportA and ReportB that each uses a distinct color palette.

You are creating a Power BI dashboard that will include two visuals from each report.

You need to use a consistent dark theme for the dashboard. The solution must preserve the original colors of the reports.

Which two actions should you perform? Each correct asnwer presents part of the solution.

A. Turn on tile flow
B. When pining visuals to the dashboard, select Use destination theme.
C. Upload a snapshot
D. For the browser, set the color preference to dark mode
E. Select the dark dashboard theme

Answer: B y E

Question 14: You have a report that contains a donut chart and clustered colum chart. Interactions between the visuals use the deafualt settings.

You need to modifiy the report so that when you select a column in the column chart, the donut chart redraws by using the data from the selected column.

What should you do?

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

Answer: D

Question 16: 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. Grant the Buidl permission for DS1 to the user
D. Add the user as a member of Workspace1

Answer: D

Question17: You have more than 100 published datasets.

Ten of the datasets were verified to meet your corporate quality standards.

You need to ensure that the 10 verified datasets appear at the top of the list of published datasets whenever users search for existing datasets.

What should you do?

A. Feature the dataset on the home page
B. Promote the datasets
C. Publish the datasets in an app
D. Certify the datasets

Answer: A

Quetion18: You have a Power BI report that uses row-level security (RLS)

You need to transfer RLS membership maintenance to an Azure network security team. The solution must **NOT** provide the Azure network security team with the ability to manage reports, datasets, or dashboard.

What should you do?

A. **Grant the Read and Build permissions for the Power BI datasets to the Azure network security team.**
B. Configure custom instructions for the Request acces feature that instructs users to contact the Azure network security team
C. Instruct the Azure network security team to create security groups. Configure RLS to use the groups.
D. Add the Azure network security team as members of the RLS role

Answer: A

Question 19: You have a Microsoft Excel workbook that contains two sheets named Sheet1 and Sheet2.

Sheet1 contains the following table named Table1

Products
abc
def
ghi
jkl
mno

Sheet2 contains the following table named Table2.

Products
abc
xyz
tuv
mno
pqr
stu

You need to use Power Query Editor to combine the products from Table1 and Table2 into the followings table that has one column containing no duplicate values.

Products
abc
xyz
tuv
mno
pqr
stu
def
ghi
jkl

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

Actions	Answer Area
From Power Query Editor, remover errors from the table	1
From Power Query Editor, append Table2 to Table1	2
From Power Query Editor, merge Table1 and Table2	
From Power Query Editor, select Table1, and then select Remove duplicates	3
From Power BI Desktop, import the data from Excel, and select Table1 and Table2	

Answer

1. From Power BI Desktop, import the data from Excel, and select Table1 and Table2
2. From Power Query Editor, append Table2 to Table1
3. From Power Query Editor, select Table1, and then select Remove duplicates

Question 20: You have a PBIX file that imports several tables from an Azure SQL database.

The data will be migrated to another Azure SQL database

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

What should you do?

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

Answer: B

Question 21: You are building a Power BI report that uses data from an Azure SQL databes named erp1.

You import the following tables

Name	Description
Products	Contains the product catalog
Orders	Contains high-level information about orders
Order Line Items	Contains the product ID, quantity, and price details of an order

You need to perform the following analyses:

- Orders sold over time that include a measure of the total order value

- Orders by attributes of product sold

The solution must minimize update times when interacting with visuals un the report.

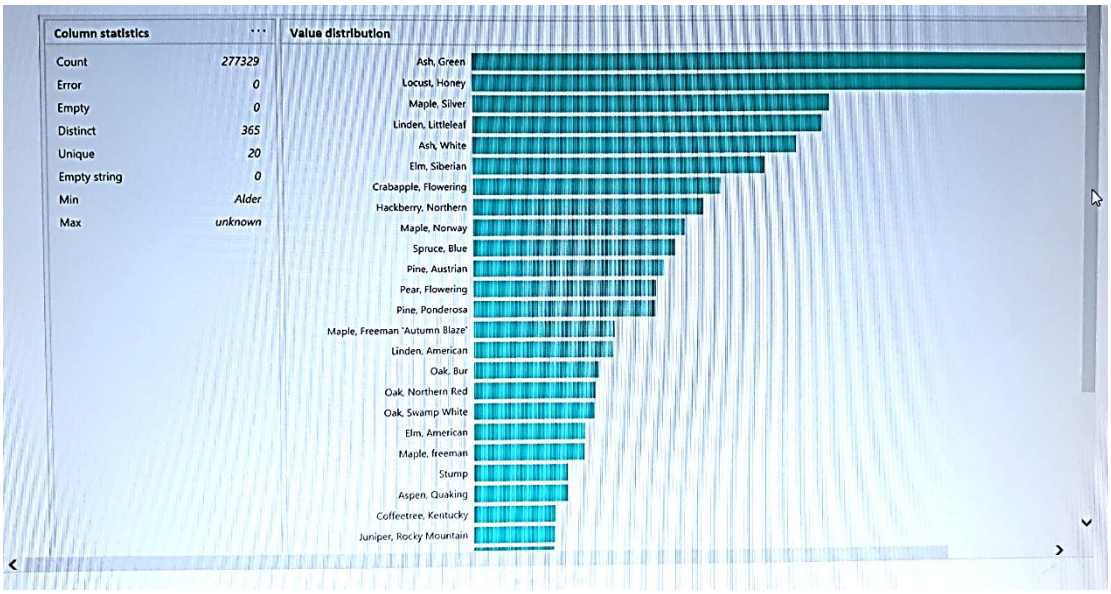
What should you do?

A. From Power Query Editor, merge the Orders query and the Order Line Items query
B. From Power Query Editor, merge the Order Line Items query and Products query
C. Create a calculated column that adds a list of product categories to the Orders table by using a DAX function
D. Calculate the count of orders per product by using a DAX functions

Answer; B

Question 22: You are profiling data by using Power Query Editor

You have a table that contains a column named column1. Column statistics and Value distribution for column1 are shown in the following exhibit.



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

NOTE: Each correct selection is worth one point

Answer Area:

There **[answer choice]** only once
- are 20 values that occur
- are 365 values that occur
- are 277,329 values that occur
- is one value that occurs

The Pear, Flowering species is found more often in column1 than the **[answer choice]** species
- Ash, Green
- Crabapple, Flowering
- Elm, American
- Spruce, Blue

There [answer choice] only once

A. are 20 values that occur

B. are 365 values that occur
C. are 277,329 values that occur
D. is one value that occurs

Answer: A

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

A. Ash, Green
B. Crabapple, Flowering
C. Elm, American
D. Spruce, Blue

Answer: C

Question 24: You import a Power BI dataset that contains the following tables:

- Date
- Product
- Product Inventory

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

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

The Product Inventory table relates to the Date table by using the DateKey column. The Product Inventory table relates to the Product table by using the ProductKey column.

You need to reduce the size of the model without losing information

What should you do?

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

Answer: D

Questions 26: You have a Power BI model shown in the following exhibit

The are four departments in the Departmens table

You need to ensure that users can see the data of their rspective department only.

What should you do?

A. Create a slicer that filters Departments based on DepartmentID
B. DENTIALCreate a row-level security (RLS) role for each deaprtment, and define the membership of the role
C. To the ConfidentialData table, add a calculated measure that users the CURRENTGROUP DAX function
D. Create a DepartmetID parameter to filter the Departments table

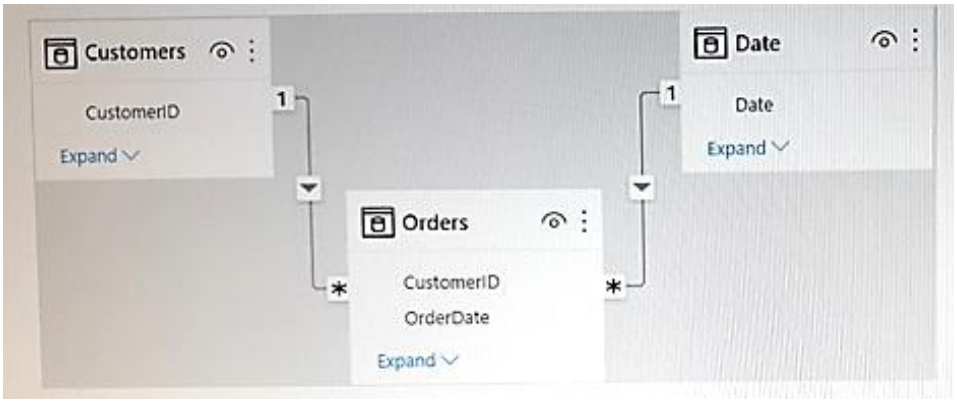
Answer: B

Question 27: You have a Power BI report named Orders that supports the following analysis:

- Total sales over time
- The count of orders over time
- New and report customer counts

The data model size is nearing the limit for a dataset in shared capacity.

The model view for the dataset is shown in the following exhibit



The data view of the Orders table is shown in the following exhibit

OrderID	CustomerID	OrderDate	ProductID	UnitPrice	Quantity	Discount	SalesTotal
10293	TORTU	8/29/1996 12:00:00 AM	18	$50	12	0	600
10294	TORTU	8/29/1996 12:00:00 AM	63	$35.1	5	0	175.5
10295	TORTU	8/29/1996 12:00:00 AM	75	$6.2	6	0	37.2
10296	RATTC	8/29/1996 12:00:00 AM	1	$14.4	18	0	259.2

The Orders table relates to the Customers table by using the CustomerID column

The Orders table relates to the Date table by using the OrderDate column

For each correct selection is worth one pints.

Statements	Yes	No
Summarizing Orders by the CustomerID, OrderID, and OrderDate columns will reduce the model size while still supporting the current analysis.		
Removing the CustomerID column from Orders will reduce the model size while still supporting the current analysis.		
Removing the UnitPrice and Discount columns from Orders will reduce the model size while still supporting the current analysis.		

Answer: Yes / No / Yes

Question 28: You plan to create a report that will display sales data from the last year for multiple regions.

You need to restrict access to individual rows of the data on a per region-basis by using roles.

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

Actions	Answer Area
Import the data to Power BI Desktop	1
Create a role definition	2
Assign users to the role	3
Publish the report	4
Add a filter to the report	

Answer:

- Create a role definition
- Add a filter to the report
- Publish the report
- Assign users to the role

Question 29: You plan to create a Power BI dataset to analyze attendance at a school. Data will come from two separate views named View1 and View2 in an Azure SQL database.

View1 contains the columns shown in the following table

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

View2 contains the columns shown in the following table

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

The views can be related bsaed on the Class ID column

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

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

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

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

NOTE: Each correct selection is worth one point.

Answer Area

Teacher First Name

Attendance fact
Class dimension
Teacher dimension
Teacher fact

Period Number

Attendance fact
Class dimension
Period dimension
Period fact

Teacher First Name

A. Attendance fact
B. Class dimension
C. **Teacher dimension**
D. Teacher fact

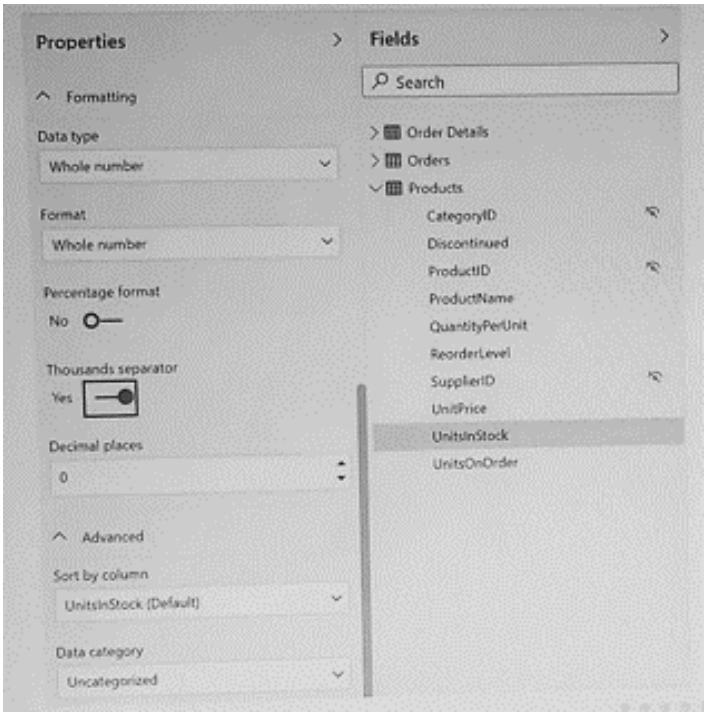
Answer: C

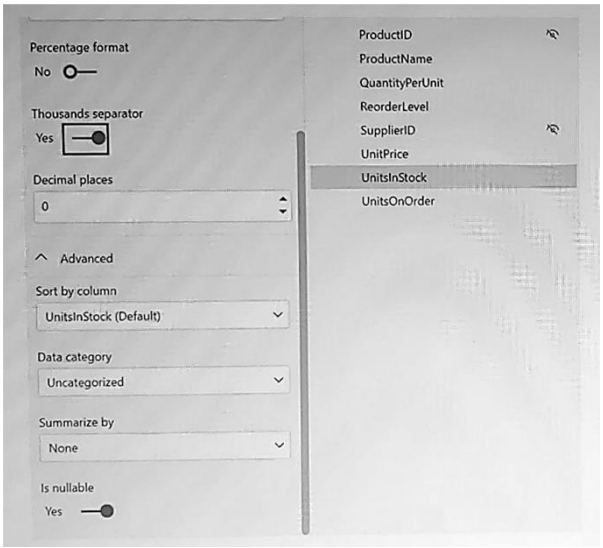
Period Number

A. Attendance fact
B. Class dimension
C. Period dimension
D. Period fact

Answer: C

Question 30: You have a column named UnitsInStock as shown in the following exhibit.





UnitsInStock has 75 non-null values, of which 51 are unique.

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

When a table visual is created in a report and UnitsInStock is added to the values, there will be **[answer choice]** in the table

A. Reduce
B. 75 rows
C. 24 duplicates

Answer: B

Changing the Summarize by setting of the UnisInStock column, and then adding the column to a table visual, will **[answer choice]** the number of rows in the table visual

A. Reduce
B. 75 rows
C. 24 duplicates

Answer: A