Actual exam question from Microsoft's PL-300
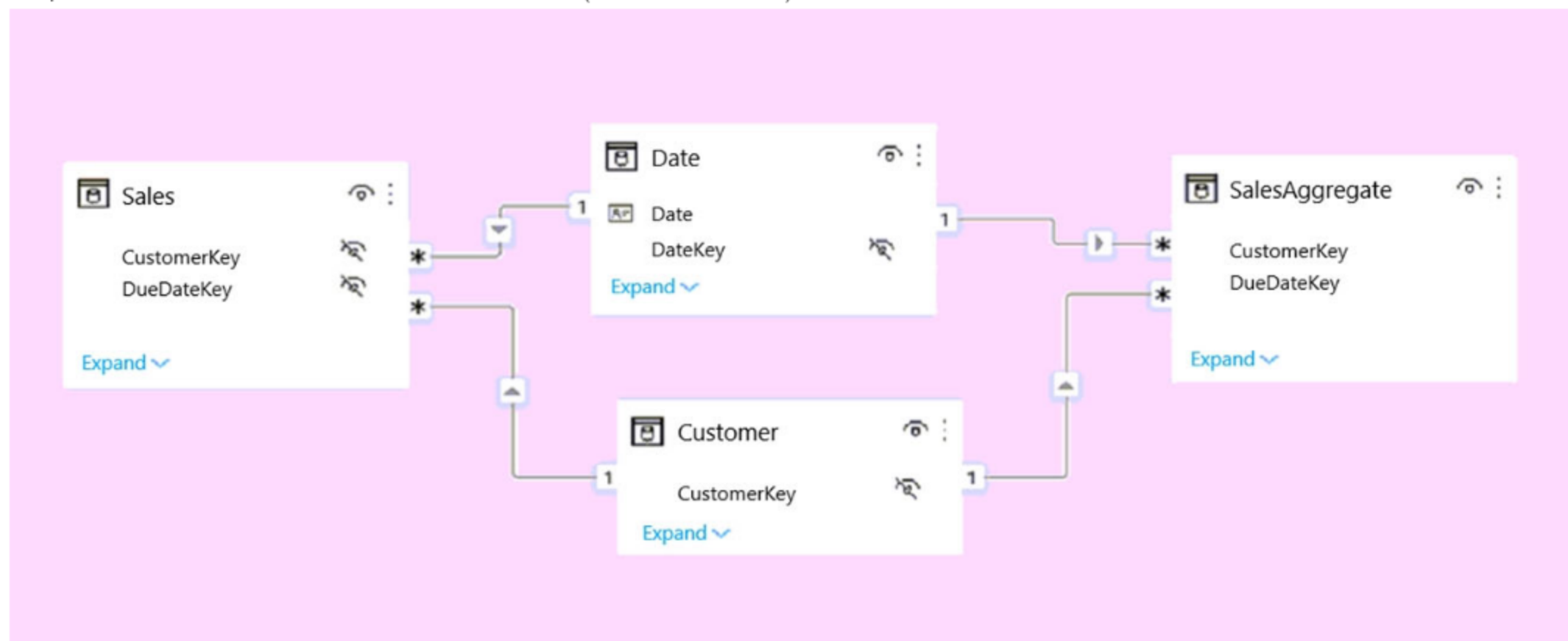
Question #: 1

Topic #: 1

[All PL-300 Questions]

HOTSPOT -

You plan to create the Power BI model shown in the exhibit. (Click the Exhibit tab.)

The data has the following refresh requirements:

☞ Customer must be refreshed daily.

☞ Date must be refreshed once every three years.

☞ Sales must be refreshed in near real time.

☞ SalesAggregate must be refreshed once per week.

You need to select the storage modes for the tables. The solution must meet the following requirements:

☞ Minimize the load times of visuals.

☞ Ensure that the data is loaded to the model based on the refresh requirements.

Which storage mode should you select for each table? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Customer:
| DirectQuery |
| Dual |
| Import |

Date:
| DirectQuery |
| Dual |
| Import |

Sales:
| DirectQuery |
| Dual |
| Import |

SalesAggregate:
| DirectQuery |
| Dual |
| Import |

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 2

Topic #: 1

[All PL-300 Questions]

You have a project management app that is fully hosted in Microsoft Teams. The app was developed by using Microsoft Power Apps.

You need to create a Power BI report that connects to the project management app.

Which connector should you select?

    A. Microsoft Teams Personal Analytics

    B. SQL Server database

    C. Dataverse

    D. Dataflows

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 3

Topic #: 1

[All PL-300 Questions]

For the sales department at your company, you publish a Power BI report that imports data from a Microsoft Excel file located in a Microsoft SharePoint folder.

The data model contains several measures.

You need to create a Power BI report from the existing data. The solution must minimize development effort.

Which type of data source should you use?

A. Power BI dataset

B. a SharePoint folder

C. Power BI dataflows

D. an Excel workbook

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 4

Topic #: 1

[All PL-300 Questions]

You import two Microsoft Excel tables named Customer and Address into Power Query. Customer contains the following columns:

☞ Customer ID

☞ Customer Name

☞ Phone

☞ Email Address

☞ Address ID

Address contains the following columns:

☞ Address ID

☞ Address Line 1

☞ Address Line 2

☞ City

☞ State/Region

☞ Country

☞ Postal Code

Each Customer ID represents a unique customer in the Customer table. Each Address ID represents a unique address in the Address table.

You need to create a query that has one row per customer. Each row must contain City, State/Region, and Country for each customer.

What should you do?

A. Merge the Customer and Address tables.

B. Group the Customer and Address tables by the Address ID column.

C. Transpose the Customer and Address tables.

D. Append the Customer and Address tables.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 5

Topic #: 1

[All PL-300 Questions]

HOTSPOT -

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 Customer.

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.

Hot Area:

Answer Area

Option to use to combine the Customer tables:

▼
Append Queries
Append Queries as New
Merge Queries
Merge Queries as New

Action to perform on the original two SQL database queries:

▼
Delete the queries
Disable including the query in report refresh
Disable loading the query to the data model
Duplicate the queries

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 6

Topic #: 1

[All PL-300 Questions]

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.

Select and Place:

Join kinds	Answer Area		
		Left Table	**Right Table**	**Join Kind**
Full outer			
Inner		Product	ProductSubCategory	Join kind
Left anti			
Left outer		ProductSubCategory	ProductCategory	Join kind
Right anti			
Right outer			

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 7

Topic #: 1

[All PL-300 Questions]

You are building a Power BI report that uses data from an Azure SQL database named erp1.

You import the following tables.

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

You need to perform the following analyses:

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

Orders by attributes of products sold

.

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

What should you do first?

    A. From Power Query, merge the Order Line Items query and the Products query.

    B. Create a calculated column that adds a list of product categories to the Orders table by using a DAX function.

    C. Calculate the count of orders per product by using a DAX function.

    D. From Power Query, merge the Orders query and the Order Line Items query.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 8

Topic #: 1

[All PL-300 Questions]

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 use Power BI Desktop to load only the manufacturing reports to a table for analysis.

What should you do?

A. Get data from a SharePoint folder and enter the site URL Select Transform, then filter by the folder path to the manufacturing reports library.

B. Get data from a SharePoint list and enter the site URL. Select Combine & Transform, then filter by the folder path to the manufacturing reports library.

C. Get data from a SharePoint folder, enter the site URL, and then select Combine & Load.

D. Get data from a SharePoint list, enter the site URL, and then select Combine & Load.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 9

Topic #: 1

[All PL-300 Questions]

DRAG DROP -

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 following 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 list of actions to the answer area and arrange them in the correct order.

Select and Place:

Actions

From Power Query Editor, remove errors from the table.
From Power Query Editor, select **Table1**, and then select **Remove duplicates**.
From Power Query Editor, merge Table1 and Table2.
From Power BI Desktop, import the data from Excel, and select **Table1** and **Table2**.
From Power Query Editor, append Table2 to Table1.

Answer Area

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 10

Topic #: 1

[All PL-300 Questions]

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: 2018-12-31 at 08:59.

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

What should you do?

A. Apply a transformation to extract the last 11 characters of the Logged column and set the data type of the new column to Date.

B. Change the data type of the Logged column to Date.

C. Split the Logged column by using at as the delimiter.

D. Apply a transformation to extract the first 11 characters of the Logged column.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 11

Topic #: 1

[All PL-300 Questions]

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 powerbi.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. Excel Workbook

    B. Text/CSV

    C. Folder

    D. SharePoint folder

    E. Web

Show Suggested Answer

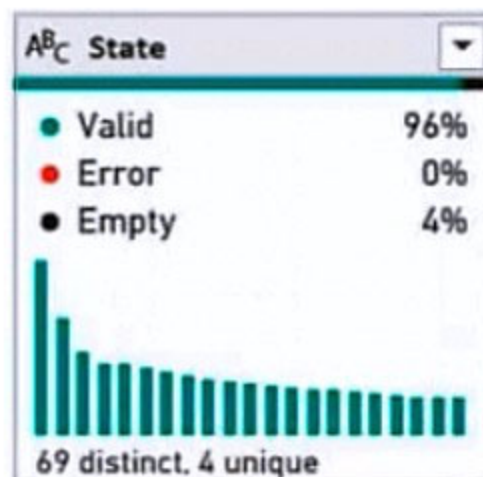Actual exam question from Microsoft's PL-300

Question #: 12

Topic #: 1

[All PL-300 Questions]

HOTSPOT -

You are profiling data by using Power Query Editor.

You have a table named Reports that contains a column named State. The distribution and quality data metrics for the data in State is 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.

Hot Area:

Answer Area

There are [answer choice] different values in State including nulls.

4
65
69
73

There are [answer choice] non-null values that occur only once in State.

4
65
69
73

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 13

Topic #: 1

[All PL-300 Questions]

HOTSPOT -

You have two CSV files named Products and Categories.

The Products file contains the following columns:

➪ ProductID

➪ ProductName

➪ SupplierID

➪ CategoryID

The Categories file contains the following columns:

➪ CategoryID

➪ CategoryName

➪ CategoryDescription

From Power BI Desktop, you import the files into Power Query Editor.

You need to create a Power BI dataset that will contain a single table named Product. The Product will table includes the following columns:

➪ ProductID

➪ ProductName

➪ SupplierID

➪ CategoryID

➪ CategoryName

➪ CategoryDescription

How should you combine the queries, and what should you do on the Categories query? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Combine the queries by performing a:

Append
Merge
Transpose

On the Categories query:

Delete the query.
Disable the query load.
Exclude the query from report refresh.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 14

Topic #: 1

[All PL-300 Questions]

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 the Command timeout in minutes setting.

C. Set Data Connectivity mode to Import.

D. Set Data Connectivity mode to DirectQuery.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 15

Topic #: 1

[All PL-300 Questions]

DRAG DROP -

You have a folder that contains 100 CSV files.

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

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

Select and Place:

Actions

Action
From Power BI Desktop, select **Get Data**, and then select Folder.
From Power Query Editor, expand the Attributes column.
From Power Query Editor, remove the Content column.
From Power Query Editor, remove the Attributes column.
From Power BI Desktop, select Get Data, and then select Text/CSV.
From Power Query Editor, combine the Content column.

Answer Area

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 16

Topic #: 1

[All PL-300 Questions]

A business intelligence (BI) developer creates a dataflow in Power BI that uses DirectQuery to access tables from an on-premises Microsoft SQL server. The Enhanced Dataflows Compute Engine is turned on for the dataflow.

You need to use the dataflow in a report. The solution must meet the following requirements:

☞ Minimize online processing operations.

☞ Minimize calculation times and render times for visuals.

☞ Include data from the current year, up to and including the previous day.

What should you do?

    A. Create a dataflows connection that has DirectQuery mode selected.

    B. Create a dataflows connection that has DirectQuery mode selected and configure a gateway connection for the dataset.

    C. Create a dataflows connection that has Import mode selected and schedule a daily refresh.

    D. Create a dataflows connection that has Import mode selected and create a Microsoft Power Automate solution to refresh the data hourly.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 17

Topic #: 1

[All PL-300 Questions]

DRAG DROP

-

You publish a dataset that contains data from an on-premises Microsoft SQL Server database.

The dataset must be refreshed daily.

You need to ensure that the Power BI service can connect to the database and refresh the dataset.

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

| Add the dataset owner to the data source. |
| Configure an on-premises data gateway. |
| Configure a virtual network data gateway. |
| Add a data source. |
| Configure a scheduled refresh. |

Answer Area

1. [ ]
2. [ ]
3. [ ]
4. [ ]

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 18

Topic #: 1

[All PL-300 Questions]

You attempt to connect Power BI Desktop to a Cassandra database.

From the Get Data connector list, you discover that there is no specific connector for the Cassandra database.

You need to select an alternate data connector that will connect to the database.

Which type of connector should you choose?

A. Microsoft SQL Server database

B. ODBC

C. OLE DB

D. OData

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 19

Topic #: 1

[All PL-300 Questions]

DRAG DROP

-

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

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

	Month	MonthNumber	2019	2020	2021
1	Jan	1	345	5526	3456
2	Feb	2	758	773	0
3	Mar	3	37763	570	null
4	Apr	4	8364	9417	null
5	May	5	58256	276	null
6	June	6	6722	235	null
7	July	7	55225	6297	null
8	Aug	8	673	63	null
9	Sep	9	552	357	null
10	Oct	10	7838	24214	null
11	Nov	11	83544	257	null
12	Dec	12	32455	389	null

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

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

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

Actions

Select the Month and MonthNumber columns.

Select **Unpivot other columns**.

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

Select the 2019, 2020, and 2021 columns.

Select **Transpose**.

Answer Area

1

2

3

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 20

Topic #: 1

[All PL-300 Questions]

HOTSPOT

-

You are using Power BI Desktop to connect to an Azure SQL database.

The connection is configured as shown in the following exhibit.

SQL Server database

Server ⓘ

mydb.database.windows.net

Database (optional)

db1

Data Connectivity mode ⓘ

⦿ Import

◯ DirectQuery

▲ Advanced options

Command timeout in minutes (optional)

SQL statement (optional, requires database)

☑ Include relationship columns

☐ Navigate using full hierarchy

☐ Enable SQL Server Failover support

OK   Cancel

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

NOTE: Each correct solution is worth one point.

Answer Area

The default timeout for the connection from Power BI Desktop to the database will be ▼

| unlimited |
| one minute |
| 10 minutes |

The Navigator will display ▼

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

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 21

Topic #: 1

[All PL-300 Questions]

HOTSPOT

-

You have the Azure SQL databases shown in the following table.

Name	Stage	Server URL
db-powerbi-dev	Development	dev.database.windows.net
db-powerbi-uat	Test	uat.database.windows.net
db-powerbi-prod	Production	prod.database.windows.net

You plan to build a single PBIX file to meet the following requirements:

• Data must be consumed from the database that corresponds to each stage of the development lifecycle.

• Power BI deployment pipelines must NOT be used.

• The solution must minimize administrative effort.

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

NOTE: Each correct selection is worth one point.

Answer Area

Create:

    [dropdown ▼]
    One parameter
    Two parameters
    Three parameters

Parameter type:

    [dropdown ▼]
    Text
    True/False
    Decimal number

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 22

Topic #: 1

[All PL-300 Questions]

You are creating a query to be used as a Country dimension in a star schema.

A snapshot of the source data is shown in the following table.

Country	City
USA	Seattle
USA	New York
USA	Denver
UK	Manchester
UK	London
Japan	Tokyo
Brazil	Rio
Brazil	Sao Paulo

You need to create the dimension. The dimension must contain a list of unique countries.

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

NOTE: Each correct selection is worth one point.

A. Delete the Country column.

B. Remove duplicates from the table.

C. Remove duplicates from the City column.

D. Delete the City column.

E. Remove duplicates from the Country column.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 23

Topic #: 1

[All PL-300 Questions]

DRAG DROP

-

You use Power Query Editor to preview the data shown in the following exhibit.

ABC SKU	123 price	ABC 123 discount
Valid 100%	Valid 100%	Valid - %
Error 0%	Error 0%	Error 63%
Empty 0%	Empty 0%	Empty - %
11 distinct, 11 unique	9 distinct, 7 unique	
PO0001	100	0.08
PO0002	150	0.03
PO0003	130	Error
PO0004	200	0.06
PO0005	80	Error
PO0006	350	Error
PO0007	100	Error
PO0008	200	0.05
PO0009	135	Error
PO0010	90	Error
PO0011	120	Error

You need to clean and transform the query so that all the rows of data are maintained, and error values in the discount column are replaced with a discount of 0.05. The solution must minimize administrative effort.

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

Actions

Select the **discount** column.

Select the **price** column.

For the discount column, change Data Type to **Decimal Number**.

For the discount column, change Data Type to **Whole Number**.

Select **Replace Errors** to replace each error value with 0.05.

Answer Area

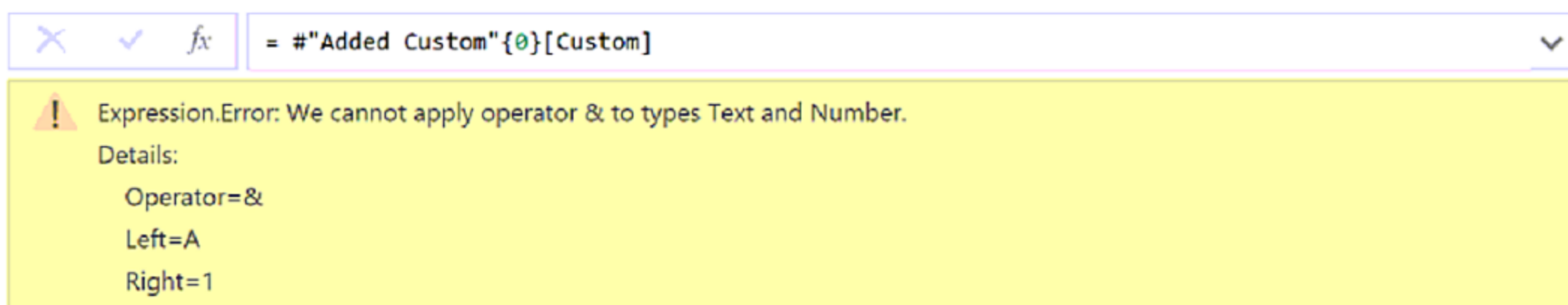Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 24

Topic #: 1

[All PL-300 Questions]

HOTSPOT

-

You attempt to use Power Query Editor to create a custom column and receive the error message shown in the following exhibit.

```
✕  ✓  fx     = #"Added Custom"{0}[Custom]
```

⚠ Expression.Error: We cannot apply operator & to types Text and Number.
Details:
    Operator=&
    Left=A
    Right=1

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

The error is caused by **[answer choice]**.

| error values in the source data |
| mismatched data types |
| NULL values |

The desired outcome of the custom column is **[answer choice]**.

| 1A |
| A&1 |
| A1 |

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 25

Topic #: 1

[All PL-300 Questions]

From Power Query Editor, you attempt to execute a query and receive the following error message.

Datasource.Error: Could not find file.

What are two possible causes of the error? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

   A. You do not have permissions to the file.

   B. An incorrect privacy level was used for the data source.

   C. The file is locked.

   D. The referenced file was moved to a new location.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 26

Topic #: 1

[All PL-300 Questions]

You have data in a Microsoft Excel worksheet as shown in the following table.

	A	B	C
1	SKU	price	discount
2	P00001	100	0.08
3	P00002	150	0.03
4	P00003	130	#DIV/0!
5	P00004	200	0.06
6	P00005	80	#NAME?
7	P00006	350	#N/A
8	P00007	100	#NULL!
9	P00008	200	0.05
10	P00009	135	#NUM!
11	P00010	90	#REF!
12	P00011	120	#VALUE!

You need to use Power Query to clean and transform the dataset. The solution must meet the following requirements:

• If the discount column returns an error, a discount of 0.05 must be used.

• All the rows of data must be maintained.

• Administrative effort must be minimized.

What should you do in Power Query Editor?

A. Select Replace Errors.

B. Edit the query in the Query Errors group.

C. Select Remove Errors.

D. Select Keep Errors.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 27

Topic #: 1

[All PL-300 Questions]

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: 2018-12-31 at 08:59.

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

What should you do?

A. Apply the Parse function from the Data transformations options to the Logged column.

B. Change the data type of the Logged column to Date.

C. Split the Logged column by using at as the delimiter.

D. Create a column by example that starts with 2018-12-31.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 28

Topic #: 1

[All PL-300 Questions]

DRAG DROP

-

You have two Microsoft Excel workbooks in a Microsoft OneDrive folder.

Each workbook contains a table named Sales. The tables have the same data structure in both workbooks.

You plan to use Power BI to combine both Sales tables into a single table and create visuals based on the data in the table. The solution must ensure that you can publish a separate report and dataset.

Which storage mode should you use for the report file and the dataset file? To answer, drag the appropriate modes to the correct files. Each mode 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.

Storage modes

| DirectQuery |
| Import |
| LiveConnect |
| Push |

Answer Area

Report file: | Storage mode |

Dataset file: | Storage mode |

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 29

Topic #: 1

[All PL-300 Questions]

You use Power Query to import two tables named Order Header and Order Details from an Azure SQL database. The Order Header table relates to the Order Details table by using a column named Order ID in each table.

You need to combine the tables into a single query that contains the unique columns of each table.

What should you select in Power Query Editor?

    A. Merge queries

    B. Combine files

    C. Append queries

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 30

Topic #: 1

[All PL-300 Questions]

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: 2018-12-31 at 08:59.

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

What should you do?

A. Apply a transformation to extract the last 11 characters of the Logged column and set the data type of the new column to Date.

B. Change the data type of the Logged column to Date.

C. Split the Logged column by using at as the delimiter.

D. Apply the Parse function from the Date transformations options to the Logged column.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 31

Topic #: 1

[All PL-300 Questions]

HOTSPOT

-

You have a folder that contains 50 JSON files.

You need to use Power BI Desktop to make the metadata of the files available as a single dataset. The solution must NOT store the data of the JSON files.

Which type of data source should you use, and which transformation should you perform? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Data source type:

| ▼ |
| Folder |
| JSON |
| Text/CSV |

Transformation:

| ▼ |
| Combine the files of the Content column. |
| Delete the Attribute column. |
| Delete the Content column. |
| Expand the Attribute column. |

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 32

Topic #: 1

[All PL-300 Questions]

You have a PBIX file that imports data from a Microsoft Excel data source stored in a file share on a local network.

You are notified that the Excel data source was moved to a new location.

You need to update the PBIX file to use the new location.

What are three ways to achieve the goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

    A. From the Datasets settings of the Power BI service, configure the data source credentials.

    B. From the Data source settings in Power BI Desktop, configure the file path.

    C. From Current File in Power BI Desktop, configure the Data Load settings.

    D. From Power Query Editor, use the formula bar to configure the file path for the applied step.

    E. From Advanced Editor in Power Query Editor, configure the file path in the M code.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 1

Topic #: 2

[All PL-300 Questions]

You are creating a report in Power BI Desktop.

You load a data extract that includes a free text field named coll.

You need to analyze the frequency distribution of the string lengths in col1. The solution must not affect the size of the model.

What should you do?

    A. In the report, add a DAX calculated column that calculates the length of col1

    B. In the report, add a DAX function that calculates the average length of col1

    C. From Power Query Editor, add a column that calculates the length of col1

    D. From Power Query Editor, change the distribution for the Column profile to group by length for col1

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 2

Topic #: 2

[All PL-300 Questions]

You have a collection of reports for the HR department of your company. The datasets use row-level security (RLS). The company has multiple sales regions.

Each sales region has an HR manager.

You need to ensure that the HR managers can interact with the data from their region only. The HR managers must be prevented from changing the layout of the reports.

How should you provision access to the reports for the HR managers?

A. Publish the reports in an app and grant the HR managers access permission.

B. Create a new workspace, copy the datasets and reports, and add the HR managers as members of the workspace.

C. Publish the reports to a different workspace other than the one hosting the datasets.

D. Add the HR managers as members of the existing workspace that hosts the reports and the datasets.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 3

Topic #: 2

[All PL-300 Questions]

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. Admin

C. Contributor

D. Member

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 4

Topic #: 2

[All PL-300 Questions]

You have a Power BI query named Sales that imports the columns shown in the following table.

Name	Description	Sample value
ID	A unique value that represents a sale	10253
Sale_Date	Sales date A column to extract the date of the sale	2021-11-23T09:53:00
Customer_ID	Represents a unique customer ID number	13158
Delivery_Time	Elapsed delivery time in hours Can contain null values	51.52
Status	Sales status Contains only the following two values: Finished and Canceled	Finished
Canceled_Date	Cancellation date and time Can contain null values	2021-11-24T14:11:23

Users only use the date part of the Sales_Date field. Only rows with a Status of Finished are used in analysis.

You need to reduce the load times of the query without affecting the analysis.

Which two actions achieve this goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

   A. Remove the rows in which Sales[Status] has a value of Canceled.

   B. Remove Sales[Sales_Date].

   C. Change the data type of Sale[Delivery_Time] to Integer.

   D. Split Sales[Sale_Date] into separate date and time columns.

   E. Remove Sales[Canceled Date].

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 5

Topic #: 2

[All PL-300 Questions]

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

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

You import the tables.

Which relationship should you use to link the tables?

A. one-to-many from Transaction to Customer

B. one-to-one between Customer and Transaction

C. many-to-many between Customer and Transaction

D. one-to-many from Customer to Transaction

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 6

Topic #: 2

[All PL-300 Questions]

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. From Model view, set the Subject and Body columns to Hidden.

    B. Remove the Subject and Body columns during the import.

    C. Implement row-level security (RLS) so that the report recipients can only see results based on the emails they sent.

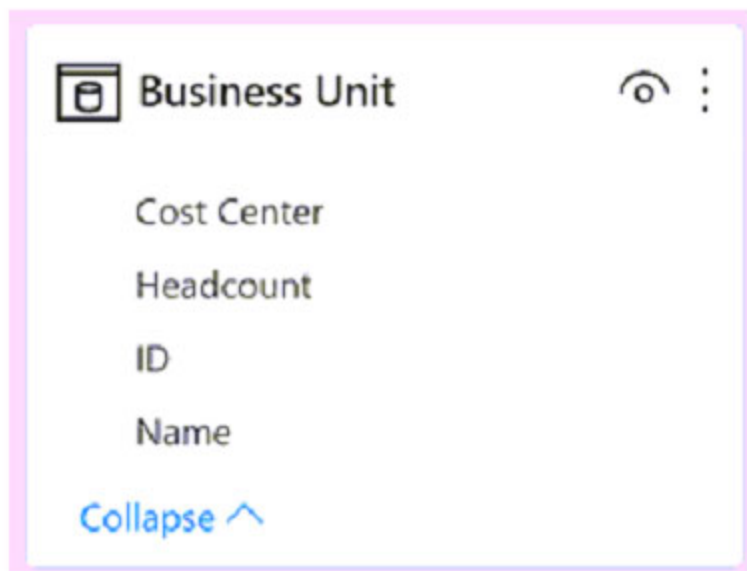**Show Suggested Answer**

Actual exam question from Microsoft's PL-300

Question #: 7

Topic #: 2

[All PL-300 Questions]

HOTSPOT -

You create a Power BI dataset that contains the table shown in the following exhibit.

Business Unit

Cost Center

Headcount

ID

Name

Collapse ⌃

You need to make the table available as an organizational data type in Microsoft Excel.

How should you configure the properties of the table? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Row label:
- Cost Center
- Headcount
- ID
- Name

Key column:
- Cost Center
- Headcount
- ID
- Name

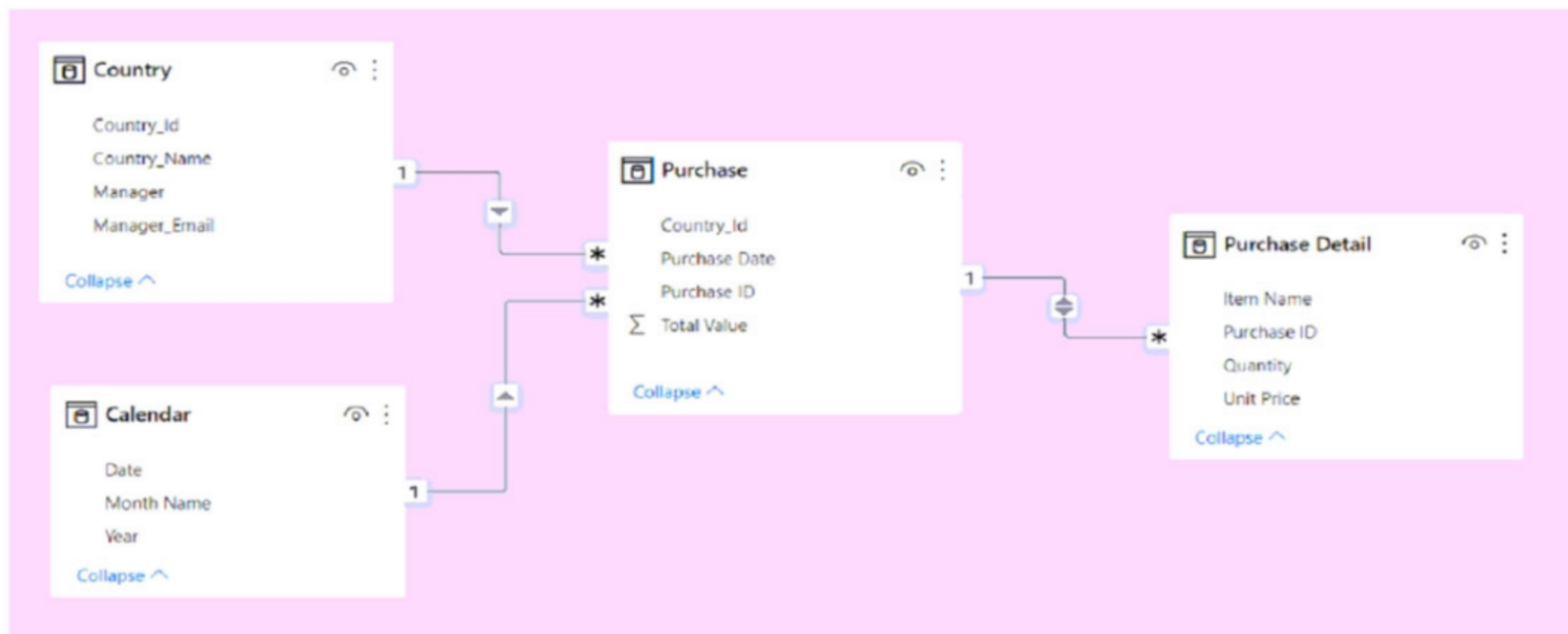Is featured table:
- No
- Yes

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 8

Topic #: 2

[All PL-300 Questions]

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

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.

Show Suggested Answer
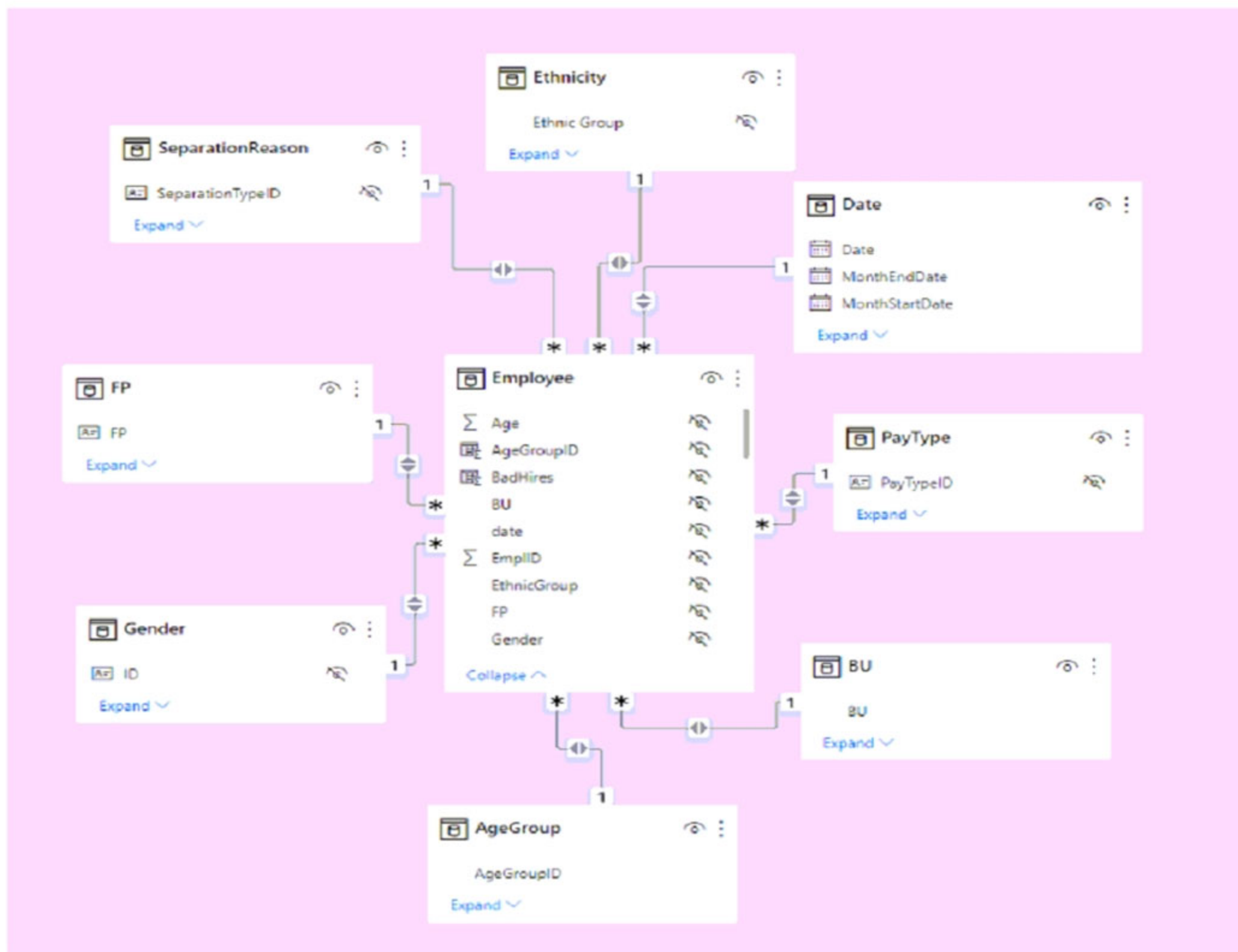
Actual exam question from Microsoft's PL-300

Question #: 9

Topic #: 2

[All PL-300 Questions]

HOTSPOT -

You have a Power BI imported dataset that contains the 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.

Hot Area:

Answer Area

Changing the **[answer choke]** setting of the relationships will improve report query performance.

▼
Cardinality
Cross filter direction
Assume Referential Integrity

The data model is organized into a **[answer choice]**.

▼
star schema
snowflake schema
denormalized table

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 10

Topic #: 2

[All PL-300 Questions]

HOTSPOT -

You have a Power BI model that contains a table named Sales and a related date table. Sales contains a measure named Total Sales.

You need to create a measure that calculates the total sales from the equivalent month of the previous year.

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

NOTE: Each correct selection is worth one point.

Hot Area:

```
Sales Previous Year =
```

▼
CALCULATE
EVALUATE
SUM
SUMX

```
[Total Sales],
```

| ▼ | (
|---|
| DATESMTD |
| PARALLELPERIOD |
| SAMEPERIODLASTYEAR |
| TOTALMTD |

▼
[Date]
'Date'[Date]
'Date'[Month]

```
        )
    )
```

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 11

Topic #: 2

[All PL-300 Questions]

DRAG DROP -

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.

Select and Place:

Actions

| Publish the report. |
| Assign users to the role. |
| Add a filter to the report. |
| Create a role definition. |
| Import the data to Power BI Desktop. |

Answer Area

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 12

Topic #: 2

[All PL-300 Questions]

DRAG DROP -

You create a data model in Power BI.

Report developers and users provide feedback that the data model is too complex.

The model contains the following tables.

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
	region_id	Integer
Manager	manager_id	Integer
	name	Varchar

The model has the following relationships:

☞ There is a one-to-one relationship between Sales_Region and Region_Manager.

☞ There are more records in Manager than in Region_Manager, but every record in Region_Manager has a corresponding record in Manager.

☞ There are more records in Sales_Manager than in Sales_Region, but every record in Sales_Region has a corresponding record in Sales_Manager.

You need to denormalize the model into a single table. Only managers who are associated to a sales region must be included in the reports.

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.

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

Select and Place:

Actions

Merge [Region_Manager] and [Manager] by using an inner join.

Merge [Sales_Manager] and [Sales_Region] by using a left join.

Merge [Sales_Region] and [Sales_Manager] by using an inner join.

Merge [Sales_Region] and [Sales_Manager] by using an inner join as a new query named [Sales_Region_and_Manager].

Merge [Sales_Region] and [Region_Manager] by using a right join as a new query named [Sales_Region_and_Region_Manager].

Merge [Sales_Region] and [Region_Manager] by using an inner join.

Answer Area

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 13

Topic #: 2

[All PL-300 Questions]

You have a Microsoft Power BI report. The size of PBIX file is 550 MB. The report is accessed by using an App workspace in shared capacity of powerbi.com.

The report uses an imported dataset that contains one fact table. The fact table contains 12 million rows. The dataset is scheduled to refresh twice a day at 08:00 and 17:00.

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

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

You need to recommend a solution to improve the performance of the report.

What should you recommend?

    A. Change any DAX measures to use iterator functions.

    B. Enable visual interactions.

    C. Replace the default visuals with AppSource visuals.

    D. Split the visuals onto multiple pages.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 14

Topic #: 2

[All PL-300 Questions]

HOTSPOT -

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.)

	SalesRowID	ProductKey	OrderDateKey	OrderDate	CustomerKey	SalesTerritoryKey	SalesOrderNumber	SalesOrderLineNumber	OrderQuantity	LineTotal	TaxAmt	Freight	LastModified	AuditID
1	1	310	20101229	2010-12-29 00:00:00.000	21768	6	SO43697	1	1	3578.27	286.2616	89.4568	2011-01-10 00:00:00.000	127
2	2	346	20101229	2010-12-29 00:00:00.000	28389	7	SO43698	1	1	3399.99	271.9992	84.9998	2011-01-10 00:00:00.000	127
3	3	346	20101229	2010-12-29 00:00:00.000	25863	1	SO43699	1	1	3399.99	271.9992	84.9998	2011-01-10 00:00:00.000	127
4	4	336	20101229	2010-12-29 00:00:00.000	14501	4	SO43700	1	1	699.0982	55.9279	17.4775	2011-01-10 00:00:00.000	127
5	5	346	20101229	2010-12-29 00:00:00.000	11003	9	SO43701	1	1	3399.99	271.9992	84.9998	2011-01-10 00:00:00.000	127
6	6	311	20101230	2010-12-30 00:00:00.000	27645	4	SO43702	1	1	3578.27	286.2616	89.4568	2011-01-11 00:00:00.000	127
7	7	310	20101230	2010-12-30 00:00:00.000	16624	9	SO43703	1	1	3578.27	286.2616	89.4568	2011-01-11 00:00:00.000	127

The related dimension tables are imported into the model.

Sales contains the data shown in the following table.

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	Text	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

You are evaluating how to optimize 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.

Hot Area:

Answer Area

Statements	Yes	No
The SalesRowID and AuditID columns can be removed from the model without impeding the analysis goals.	○	○
Both the OrderDateKey and OrderDate columns are necessary to perform the basket analysis.	○	○
The TaxAmt column must retain the current number of decimal places to perform the basket analysis.	○	○

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 15

Topic #: 2

[All PL-300 Questions]

You have a Microsoft Power BI data model that contains three tables named Orders, Date, and City. There is a one-to-many relationship between Date and Orders and between City and Orders.

The model contains two row-level security (RLS) roles named Role1 and Role2. Role1 contains the following filter.

City[State Province] = "Kentucky"

Role2 contains the following filter.

Date[Calendar Year] = 2020 -

If a user is a member of both Role1 and Role2, what data will they see in a report that uses the model?

A. The user will see data for which the State Province value is Kentucky or where the Calendar Year is 2020.

B. The user will receive an error and will not be able to see the data in the report.

C. The user will only see data for which the State Province value is Kentucky.

D. The user will only see data for which the State Province value is Kentucky and the Calendar Year is 2020.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 16

Topic #: 2

[All PL-300 Questions]

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

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 17

Topic #: 2

[All PL-300 Questions]

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

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

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

During the development process, you need to import a sample of the data from the Order table.

Solution: You write a DAX expression that uses the FILTER function.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 18

Topic #: 2

[All PL-300 Questions]

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

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 19

Topic #: 2

[All PL-300 Questions]

DRAG DROP -

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.

	ABC Column1 ▼	1.2 Column2 ▼	1.2 Column3 ▼	1.2 Column4 ▼	1.2 Column5 ▼	1.2 Column6 ▼
1	Measure	2016	2017	2018	2019	2020
2	Revenue	0.5	0.6	0.55	0.61	0.42
3	Overheads	0.11	0.330410907	0.167055779	0.360178153	0.183179995
4	Cost of Goods	0.204388253	0.165848321	0.25	0.17	0.109073918

You need to prepare the data to support the following:

➭ Visualizations that include all measures in the data over time

➭ Year-over-year calculations for all the measures

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

Select and Place:

Actions

Use headers as the first row.

Rename the Measure column as Year.

Rename the Attribute column as Year.

Use the first row as headers.

Transpose the table.

Unpivot all the columns other than Measure.

Change the data type of the Year column to Date.

Answer Area

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 20

Topic #: 2

[All PL-300 Questions]

HOTSPOT -

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 employee_id and employee_photo.

You need to optimize the data model.

What should you configure for employee_id and employee_photo? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Employee_id:

Change Type
Delete
Hide
Sort

Employee_photo:

Change Type
Delete
Hide
Sort

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 21

Topic #: 2

[All PL-300 Questions]

HOTSPOT -

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

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

View2 contains the columns shown in the following table.

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

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

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

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

☞ The count of classes that occur by period

☞ The count of students in attendance by period by day

☞ The average number of students attending a class each month

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Teacher First Name:

Attendance fact
Class dimension
Teacher dimension
Teacher fact

Period Number:

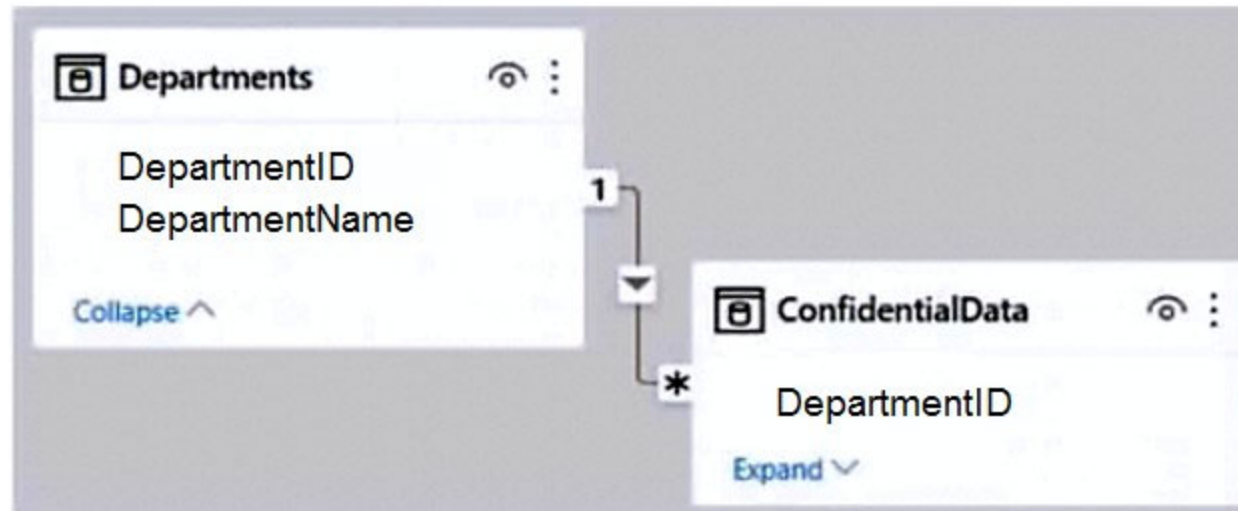| |
| --- |
| Attendance fact |
| Class dimension |
| Teacher dimension |
| Teacher fact |

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 22

Topic #: 2

[All PL-300 Questions]

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

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. Create a slicer that filters Departments based on DepartmentID.

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

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

    D. To the ConfidentialData table, add a calculated measure that uses the CURRENTGROUP DAX function.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 23

Topic #: 2

[All PL-300 Questions]

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 inactive relationship between the tables and select Apply security filter in both directions.

B. Create an active relationship between the tables and select Apply security filter in both directions.

C. Create an inactive relationship between the tables and select Assume referential integrity.

D. Create an active relationship between the tables and select Assume referential integrity.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 24

Topic #: 2

[All PL-300 Questions]

HOTSPOT -

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

Properties	>	Fields	>
		🔍 Search	

Formatting

Data type
Whole number ˅

Format
Whole number ˅

Percentage format
No ⊙—

Thousands separator
Yes ⬛—⬤

Decimal places
0

Advanced

Sort by column
UnitsInStock (Default) ˅

Data category
Uncategorized ˅

Summarize by
None ˅

Is nullable
Yes —⬤

Fields panel:
- › ▦ Order Details
- › ▦ Orders
- ˅ ▦ Products
  - CategoryID
  - Discontinued
  - ProductID
  - ProductName
  - QuantityPerUnit
  - ReorderLevel
  - SupplierID
  - UnitPrice
  - **UnitsInStock**
  - UnitsOnOrder

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.

Hot Area:

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 row
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

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 25

Topic #: 2

[All PL-300 Questions]

HOTSPOT -

You have a Power BI report.

You have the following tables.

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

You have the following DAX measure.

Accounts :=

CALCULATE (

DISTINCTCOUNT (Balances[AccountID]),

LASTDATE ('Date'[Date])

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

NOTE: Each correct selection is worth one point.

Hot Area:

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

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 26

Topic #: 2

[All PL-300 Questions]

You have the tables shown in the following table.

Table name	Column name
Campaigns	Campaign_ID
	Name
Ads	Ad_id
	Name
	Campaign_id
Impressions	Impression_id
	Ad_id
	Site_name
	Impression_time
	Impression_date

The Impressions table contains approximately 30 million records per month.

You need to create an ad analytics system to meet the following requirements:

☞ Present ad impression counts for the day, campaign, and site_name. The analytics for the last year are required.

Minimize the data model size.

.

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

NOTE: Each correct selection is worth one point.

A. Create one-to-many relationships between the tables.

B. Group the Impressions query in Power Query by Ad_id, Site_name, and Impression_date. Aggregate by using the CountRows function.

C. Create a calculated table that contains Ad_id, Site_name, and Impression_date.

D. Create a calculated measure that aggregates by using the COUNTROWS function.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 27

Topic #: 2

[All PL-300 Questions]

HOTSPOT -

You are creating a Microsoft Power BI data model that has the tables shown in the following table.

Table name	Column name
Sales	SalesID
	ProductID
	DateKey
	SalesAmount
Products	ProductID
	ProductName
	ProductCategoryID
ProductCategory	ProductCategoryID
	CategoryName

The Products table is related to the ProductCategory table through the ProductCategoryID column. Each product has one product category.

You need to ensure that you can analyze sales by product category.

How should you configure the relationship from ProductCategory to Products? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Cardinality:
- One-to-many
- One-to-one
- Many-to-many

Cross-filter direction:
- Single
- Both

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 28

Topic #: 2

[All PL-300 Questions]

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. Remove the relationship between Date and Product Inventory

C. Change the data type of UnitCost to Integer.

D. Remove MovementDate.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 29

Topic #: 2

[All PL-300 Questions]

HOTSPOT -

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.

Hot Area:

Answer Area

```
Sales PYTD =

VAR startyear =

    STARTOFYEAR ( PREVIOUSYEAR ( 'Calendar'[Date] ) )

VAR enddate =

    LASTDATE ( Sales[Date] ) - 365

RETURN
```

| CALCULATE (|
| DATESBETWEEN (|
| SAMEPERIODLASTYEAR (|
| SUM (|

(Sales[sales]),

| CALCULATE |
| DATESBETWEEN |
| SAMEPERIODLASTYEAR |
| SUM |

('Calendar'[Date], startyear, enddate)

| CALCULATE |
| DATESBETWEEN |
| SAMEPERIODLASTYEAR |
| SUM |

)

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 30

Topic #: 2

[All PL-300 Questions]

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 report-level filter that filters based on the order date.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 31

Topic #: 2

[All PL-300 Questions]

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals.

Some question sets might have more than one correct solution, while others might not have a correct solution.

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

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

☞ Due Date

☞ Order Date

☞ Delivery Date

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

Solution: For each date foreign key, you add inactive relationships between the sales table and the date table.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 32

Topic #: 2

[All PL-300 Questions]

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

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

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

☞ Due Date

☞ Order Date

☞ Delivery Date

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

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

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 33

Topic #: 2

[All PL-300 Questions]

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals.

Some question sets might have more than one correct solution, while others might not have a correct solution.

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

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

☞ Due Date

☞ Order Date

☞ Delivery Date

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

Solution: From the Fields pane, you rename the date table as Due Date. You use a DAX expression to create Order Date and Delivery Date as calculated tables.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 34

Topic #: 2

[All PL-300 Questions]

DRAG DROP -

You receive revenue data that must be included in Microsoft Power BI reports.

You preview the data from a Microsoft Excel source in Power Query as shown in the following exhibit.

	ABC Column1	ABC Column2	123 Column3	123 Column4	123 Column5	123 Column6
	● Valid 100% ● Error 0% ● Empty 0%	● Valid 100% ● Error 0% ● Empty 0%	● Valid 100% ● Error 0% ● Empty 0%	● Valid 100% ● Error 0% ● Empty 0%	● Valid 100% ● Error 0% ● Empty 0%	● Valid 100% ● Error 0% ● Empty 0%
1	Department	Product	2016	2017	2018	2019
2	Bikes	Carbon mountainbike	1002815	1006617	1007814	1007239
3	Bikes	Aluminium road bike	1007024	1001454	1005842	1007105
4	Bikes	Touring bike	1003676	1005171	1001669	1003244
5	Accessories	Bell	76713	10247	60590	25927
6	Accessories	Bottle holder	26690	29613	67955	71466
7	Accessories	Satnav	83189	40113	71684	24697
8	Accessories	Mobilephone holder	68641	80336	58099	45706

You plan to create several visuals from the data, including a visual that shows revenue split by year and product.

You need to transform the data to ensure that you can build the visuals. The solution must ensure that the columns are named appropriately for the data that they contain.

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

Select and Place:

Actions

Select Department and Product and **Unpivot Columns.**
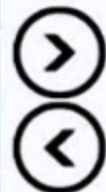
Select **Use First Row as Headers.**

Select Department and Product and **Unpivot Other Columns.**

Rename the Attribute column to Year and the Value column to Revenue.

Select **Use Header as First Row.**

Rename the Attribute column to Revenue and the Value column to Year.

Answer Area

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 35

Topic #: 2

[All PL-300 Questions]
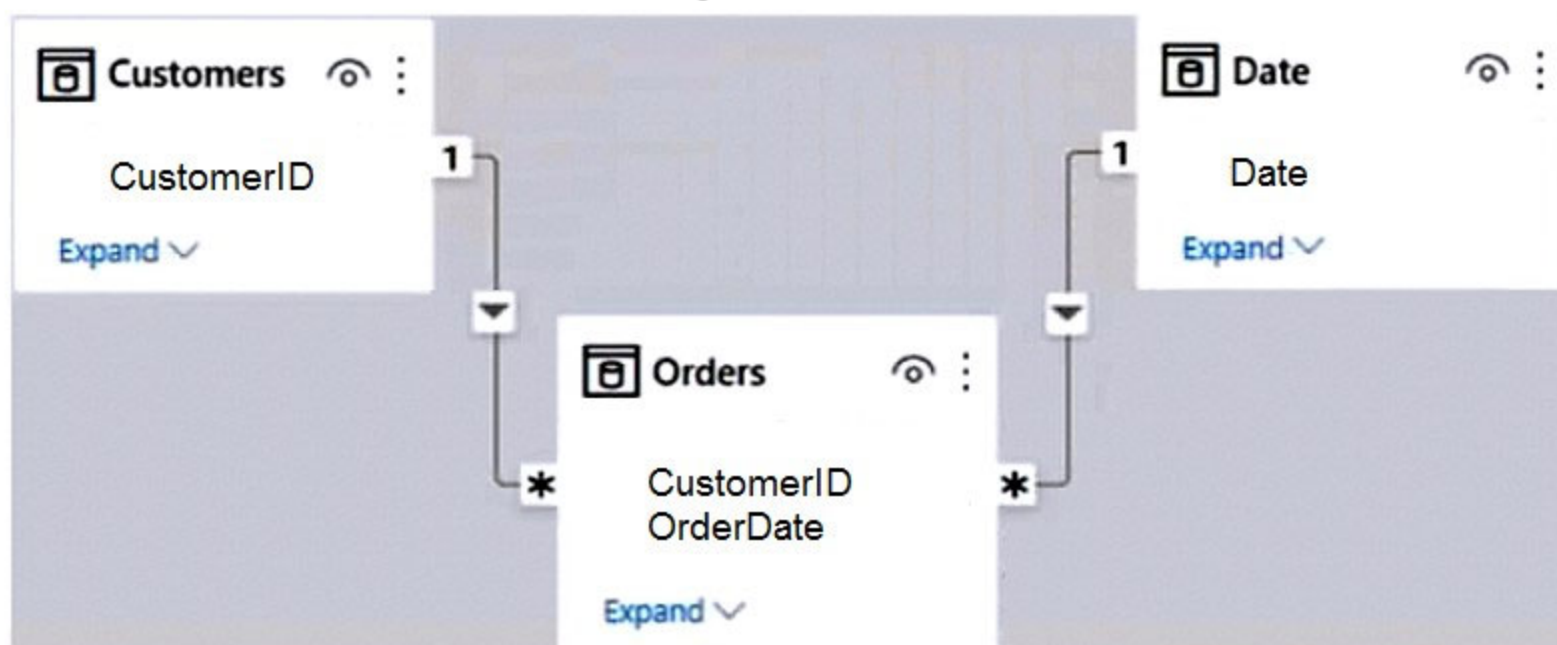
HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

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

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 36

Topic #: 2

[All PL-300 Questions]

HOTSPOT -

You are building a financial report by using Power BI.

You have a table named financials that contains a column named Date and a column named Sales.

You need to create a measure that calculates the relative change in sales as compared to the previous quarter.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
Sales QoQ% =

IF(

        ISFILTERED('financials'[Date]),

        ERROR("Uh oh."),

        VAR PREV_QUARTER =
```

| CALCULATE |
| CALCULATETABLE |
| DATEADD |
| DIVIDE |
| FILTER |
| FIND |

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

| CALCULATE |
| CALCULATETABLE |
| DATEADD |
| DIVIDE |
| FILTER |
| FIND |

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

```
        )

RETURN
```

| CALCULATE |
| CALCULATETABLE |
| DATEADD |
| DIVIDE |
| FILTER |
| FIND |

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

```
)
```

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 37

Topic #: 2

[All PL-300 Questions]

DRAG DROP -

You are creating a Power BI model and report.

You have a single table in a data model named Product. Product contains the following fields:

☞ ID

☞ Name

☞ Color

☞ Category

☞ Total Sales

You need to create a calculated table that shows only the top eight products based on the highest value in Total Sales.

How should you complete the DAX expression? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all.

You may need to drag the split bar between panes or scroll to view content.

Select and Place:

Values

ASC

DESC

RELATEDTABLE

CALCULATETABLE

MAXX

TOPN

Answer Area

Top 8 Products = [Value] (8,'Product','Product'[Total Sales], [Value])

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 38

Topic #: 2

[All PL-300 Questions]

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	27365	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. Set the data type for SalesOrderNumber to Decimal Number.

B. Remove the CustomerKey and ProductKey columns.

C. Remove the TaxAmt and Freight columns.

D. Filter the data to only the NorthWest region sales territory.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 39

Topic #: 2

[All PL-300 Questions]

You are creating a Power BI model that contains a table named Store. Store contains the following fields.

Name	Data type
Store ID	Whole Number
Store Name	Text
City	Text
State/Province	Text
Country	Text

You plan to create a map visual that will show store locations and provide the ability to drill down from Country to State/Province to City.

What should you do to ensure that the locations are mapped properly?

A. Change the data type of City, State/Province, and Country.

B. Set Summarization for City, State/Province, and Country to Don't summarize.

C. Set the data category of City, State/Province, and Country.

D. Create a calculated column that concatenates the values in City, State/Province, and Country.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 40

Topic #: 2

[All PL-300 Questions]

You are building a data model for a Power BI report.

You have data formatted as shown in the following table.

Machine-User	DownloadMB
ABC-123	75
BAC-657	125

You need to create a clustered bar chart as shown in the following exhibit.
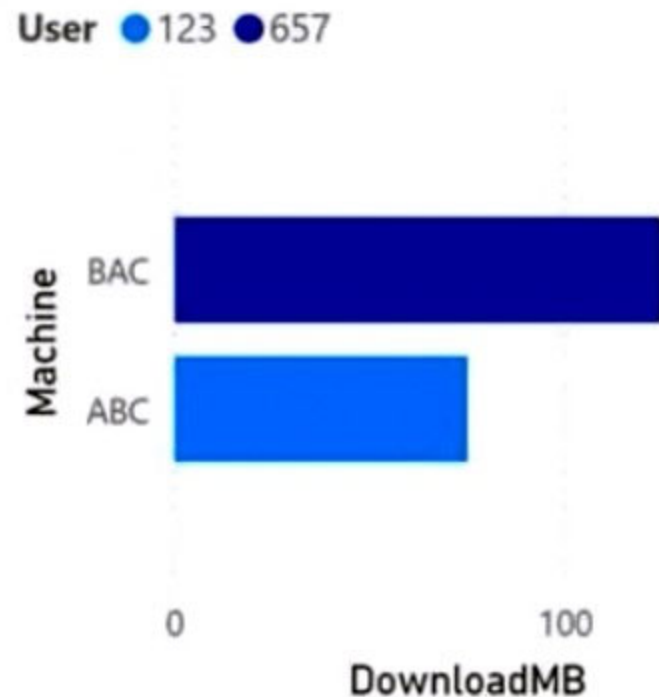
What should you do?

A. From Power Query Editor, split the Machine-User column by using a delimiter.

B. From Power Query Editor, create a column that contains the last three digits of the Machine-User column.

C. In a DAX function, create two calculated columns named Machine and User by using the SUBSTITUTE function.

D. In a DAX function, create two measures named Machine and User by using the SUBSTITUTE function.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 41

Topic #: 2

[All PL-300 Questions]

DRAG DROP -

You need create a date table in Power BI that must contain 10 full calendar years, including the current year.

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.

Select and Place:

Values

CALENDAR

CALENDARAUTO

DATE

EOMONTH

TODAY

YEAR

Answer Area

```
Date =

var var1 =        [ Value ]  (  [ Value ]  ())

return

[ Value ]  (

    DATE(var1 -9, 01, 01),

    DATE(var1, 12, 31)

)
```

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 42

Topic #: 2

[All PL-300 Questions]

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

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

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

☞ Due Date

☞ Order Date

☞ Delivery Date

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

Solution: You create measures that use the USERELATIONSHIP DAX function to filter sales on the active relationship between the sales table and the date table.

Does this meet the goal?

    A. Yes

    B. No

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 43

Topic #: 2

[All PL-300 Questions]

HOTSPOT -

You have a Power BI report that contains a measure named Total Sales.

You need to create a new measure that will return the sum of Total Sales for a year up to a selected date.

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.

Hot Area:

Answer Area

Measure =

```
                    (
TOTALYTD
CALCULATE
SUM
EVALUATE
```

[Total Sales],

```
        'Date'[Date]
        TODAY()
        EOMONTH('Date'[Date])
)       LASTDATE('Date'[Date])
```

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 44

Topic #: 2

[All PL-300 Questions]

DRAG DROP -

You are modifying a Power BI model by using Power BI Desktop.

You have a table named Sales that contains the following fields.

Name	Data type
Transaction ID	Whole Number
Customer Key	Whole Number
Sales Date Key	Date
Sales Amount	Whole Number

You have a table named Transaction Size that contains the following data.

Transaction Size ID	Transaction Size	Min	Max
1	Small	0	10,000
2	Medium	10,001	100,000
3	Large	100,001	999,999,999

You need to create a calculated column to classify each transaction as small, medium, or large based on the value in Sales Amount.

How should you complete the code? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all.

You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Values

- ALL
- AND
- CALCULATE
- FILTER
- OR
- SUM

Answer Area

```
Transaction Size =

VAR SalesTotal = 'Sales'[Sales]

VAR FilterSegment =
    [ Value ] (
        'Transaction Size',
        [ Value ] (
            'Transaction Size'[Min] <= SalesTotal,
            'Transaction Size'[Max] >= SalesTotal
        )
    )

VAR Result =
    [ Value ] ( DISTINCT ( 'Transaction Size'[Transaction Size] ), FilterSegment )

RETURN
    Result
```

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 45

Topic #: 2

[All PL-300 Questions]

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. Merge Suppliers and LineItems.

B. Remove the LineItems[Description] column.

C. Remove the rows from LineItems where LineItems[Invoice Date] is before the beginning of last month.

D. Group LineItems by LineItems[Invoice ID] and LineItems[Invoice Date] with a sum of LineItems[Price].

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 46

Topic #: 2

[All PL-300 Questions]

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

Table name	Source	Description	Column name
Posts	Blog RSS feed	An XML representation of all the blog posts from your company's website	• Publish Date • URL • Title • Full Text • Summary
Traffic	Website logs	Activity data from your company's entire website	• DateTime • URL Visited • IP Address • Browser Agent • Referring URL

There is a one-to-many relationship from Posts to Traffic that uses the URL and URL Visited columns.

The report contains the visuals shown in the following table.

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

The dataset takes a long time to refresh.

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

Which two actions will reduce the load times? Each correct answer presents part of the solution.

NOTE:

Each correct selection is worth one point.

    A. Remove the rows in Posts in which Posts[Publish Date] is in the last seven days.

    B. Remove the rows in Traffic in which Traffic[URL Visited] does not contain ג€blogג€.

    C. Remove Traffic[IP Address], Traffic[Browser Agent], and Traffic[Referring URL].

    D. Remove Posts[Full Text] and Posts[Summary].

    E. Remove the rows in Traffic in which Traffic[Referring URL] does not start with ג/€ג€.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 47

Topic #: 2

[All PL-300 Questions]

HOTSPOT

-

You are creating a quick measure as shown in the following exhibit.

Quick measures

Calculation

Rolling average ▾

Calculate the average of base value over a certain number of periods before and/or after each date.
Learn more

Base value ⓘ

Add data fields here

Date ⓘ

Add data fields here

Period ⓘ

Days ▾

Periods before ⓘ

1

Periods after ⓘ

0

Fields

🔍 Search

▽ ▦ Customer

▽ ▦ Product

△ ▦ Sales

   ▸ 🗓 Date

   ▦ Gross Margin

      Month

   Σ MonthNumberOfYear

   Σ Quarter

   Σ Sales_SRC

      ▸ ■ Time Intelligence

   ▦ Total Cost

   ▦ Total Order Qty

   ▦ Total Sales

   ▦ Total Sales rolling average

   ▦ Unit Price

   Σ Year

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

Base value: ▼
| Month |
| Total Cost |
| Total Order Qty |
| Total Sales |
| Year |

Date: ▼
| Date |
| Month |
| Total Sales |
| Year |

Period: ▼
| Days |
| Months |
| Quarters |
| Years |

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 48

Topic #: 2

[All PL-300 Questions]

You have the Power BI data model shown in the following exhibit.
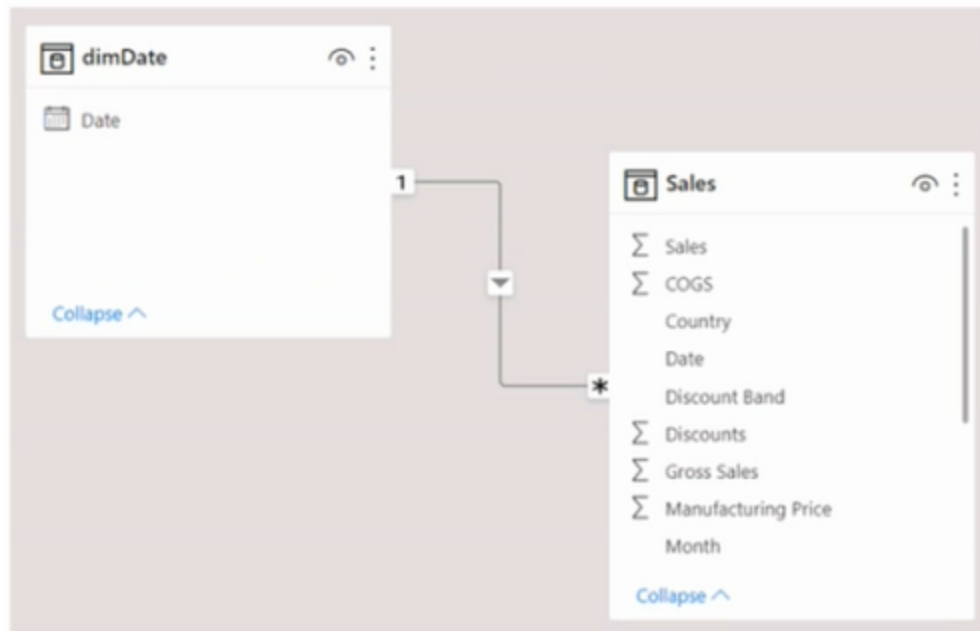
The Sales table contains records of sales by day from the last five years up until today's date.

You plan to create a measure to return the total sales of March 2021 when March 2022 is selected.

Which DAX expression should you use?

A. Calculate (Sum(Sales[Sales]), PREVIOUSYEAR(dimDate[Date])

B. TOTALYTD (SUM(Sales[Sales]), dimDate[Date])

C. Calculate (SUM(Sales[Sales]), SAMEPERIODLASTYEAR(dimDate[Date]))

D. SUM(Sales[Sales])

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 49

Topic #: 2

[All PL-300 Questions]

You use Power BI Desktop to load data from a Microsoft SQL Server database.

While waiting for the data to load, you receive the following error.

`ERROR [08001] timeout expired`

You need to resolve the error.

What are two ways to achieve the goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

    A. Reduce the number of rows and columns returned by each query.

    B. Split log running queries into subsets of columns and use Power Query to merge the queries.

    C. Use Power Query to combine log running queries into one query.

    D. Disable query folding on long running queries.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 50

Topic #: 2

[All PL-300 Questions]

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.

From Power Query Editor, you profile the data shown in the following exhibit.

A^B_C IoT GUID		IoT DateTime		1^2_3 IoT ID	
● Valid	100%	● Valid	100%	● Valid	100%
● Error	0%	● Error	0%	● Error	0%
● Empty	0%	● Empty	0%	● Empty	0%
1 48196321-38D9-EC11-BB3D-0022489A2...		21/05/2022 18:59:25		100001000	
2 49196321-38D9-EC11-BB3D-0022489A2...		21/05/2022 18:59:26		100001001	
3 0300C742-38D9-EC11-BB3D-0022489A2...		21/05/2022 19:00:21		100001002	
4 0400C742-38D9-EC11-BB3D-0022489A2...		21/05/2022 19:00:21		100001003	
5 0500C742-38D9-EC11-BB3D-0022489A2...		21/05/2022 19:00:21		100001004	
6 0600C742-38D9-EC11-BB3D-0022489A2...		21/05/2022 19:00:21		100001005	

The IoT GUID and IoT ID columns are unique to each row in the query.

You need to analyze IoT events by the hour and day of the year. The solution must improve dataset performance.

Solution: You split the IoT DateTime column into a column named Date and a column named Time.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 51

Topic #: 2

[All PL-300 Questions]

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.

From Power Query Editor, you profile the data shown in the following exhibit.

The IoT GUID and IoT ID columns are unique to each row in the query.

You need to analyze IoT events by the hour and day of the year. The solution must improve dataset performance.

Solution: You remove the IoT GUID column and retain the IoT ID column.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 52

Topic #: 2

[All PL-300 Questions]

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.

From Power Query Editor, you profile the data shown in the following exhibit.

A⁸c IoT GUID		🔲 IoT DateTime		1²₃ IoT ID	
● Valid	100%	● Valid	100%	● Valid	100%
● Error	0%	● Error	0%	● Error	0%
● Empty	0%	● Empty	0%	● Empty	0%
1 48196321-38D9-EC11-BB3D-0022489A2...		21/05/2022 18:59:25		100001000	
2 49196321-38D9-EC11-BB3D-0022489A2...		21/05/2022 18:59:26		100001001	
3 0300C742-38D9-EC11-BB3D-0022489A2...		21/05/2022 19:00:21		100001002	
4 0400C742-38D9-EC11-BB3D-0022489A2...		21/05/2022 19:00:21		100001003	
5 0500C742-38D9-EC11-BB3D-0022489A2...		21/05/2022 19:00:21		100001004	
6 0600C742-38D9-EC11-BB3D-0022489A2...		21/05/2022 19:00:21		100001005	

The IoT GUID and IoT ID columns are unique to each row in the query.

You need to analyze IoT events by the hour and day of the year. The solution must improve dataset performance.

Solution: You change the IoT DateTime column to the Date data type.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 53

Topic #: 2

[All PL-300 Questions]

You have a Microsoft Power BI report. The size of PBIX file is 550 MB. The report is accessed by using an App workspace in shared capacity of powerbi.com.

The report uses an imported dataset that contains one fact table. The fact table contains 12 million rows. The dataset is scheduled to refresh twice a day at 08:00 and 17:00.

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

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

You need to recommend a solution to improve the performance of the report.

What should you recommend?

A. Change any DAX measures to use iterator functions.

B. Remove unused columns from tables in the data model.

C. Replace the default visuals with AppSource visuals.

D. Increase the number of times that the dataset is refreshed.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 54

Topic #: 2

[All PL-300 Questions]

DRAG DROP

-

You have a Power BI data model that contains two tables named Products and Sales.

A one-to-many relationship exists between the tables.

You have a report that contains a report-level filter for Products.

You need to create a measure that will return the percent of total sales for each product. The measure must respect the report-level filter when calculating the total.

How should you complete the DAX measure? To answer, drag the appropriate DAX functions to the correct targets. Each function 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.

DAX Function   Answer Area

| ALL |

| ALLSELECTED |

| CALCULATE |

| FILTER |

| SELECTEDVALUE |

```
Percent of Product Sales =
VAR ProductSales = SUM ('Sales'[Sales])
VAR AllSales =

    [            ] (SUM('Sales'[Sales]),    [            ] ('Products'[Product]))

RETURN
DIVIDE (ProductSales, AllSales)
```

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 55

Topic #: 2

[All PL-300 Questions]

You have a Power BI data model that analyzes product sales over time. The data model contains the following tables.

Table name	Column name	Data type
Product	Product ID	Whole number
	Product Name	Text
	Product Category	Text
Sales	Product ID	Whole number
	Order Date	Date
	Ship Date	Date
	Delivered Date	Date
	Invoice Number	Whole number
	Quantity	Whole number
	Sales Amount	Decimal number

A one-to-many relationship exists between the tables.

The auto date/time option for the data model is enabled.

You need to reduce the size of the data model while maintaining the ability to analyze product sales by month and quarter.

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

NOTE: Each correct answer is worth one point.

A. Create a relationship between the Date table and the Sales table.

B. Disable the auto date/time option.

C. Create a Date table and select Mark as Date Table.

D. Disable the load on the Date table.

E. Remove the relationship between the Product table and the Sales table.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 56

Topic #: 2

[All PL-300 Questions]

You have a Microsoft Power BI report. The size of PBIX file is 550 MB. The report is accessed by using an App workspace in shared capacity of powerbi.com.

The report uses an imported dataset that contains one fact table. The fact table contains 12 million rows. The dataset is scheduled to refresh twice a day at 08:00 and 17:00.

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

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

You need to recommend a solution to improve the performance of the report.

What should you recommend?

    A. Implement row-level security (RLS).

    B. Remove unused columns from tables in the data model.

    C. Replace the default visuals with AppSource visuals.

    D. Enable visual interactions.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 57

Topic #: 2

[All PL-300 Questions]

HOTSPOT

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

• Store Name

• Open Date

• Status

• State

• City

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

• When the value of the Status column is "A", the value in the Store Name column must be returned.

• When the value of the Status column is NOT "A", the value in the Store Name column that is prefixed with "Inactive - " must be returned.

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.

```
Active Store Name =  [____ ▼]   ([Status] = "A", [Store Name], "Inactive - "  [____ ▼]   [Store Name])
                     IF                                                         &
                     SWITCH                                                     &&
                     TRUE                                                       +
```

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 58

Topic #: 2

[All PL-300 Questions]

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: 2018-12-31 at 08:59.

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

What should you do?

    A. Apply a transformation to extract the first 11 characters of the logged column.

    B. Add a conditional column that outputs 2018 if the Logged column starts with 2018 and set the data type of the new column to Whole Number.

    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 transformation to extract the last 11 characters of the Logged column and set the data type of the new column to Date.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 59

Topic #: 2

[All PL-300 Questions]

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.

From Power Query Editor, you profile the data shown in the following exhibit.

The IoT GUID and IoT ID columns are unique to each row in the query.

You need to analyze IoT events by the hour and day of the year. The solution must improve dataset performance.

Solution: You create a custom column that concatenates the IoT GUID column and the IoT ID column and then delete the IoT GUID and IoT ID columns.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 60

Topic #: 2

[All PL-300 Questions]

You have a Power BI model that contains a table named Employee. The table contains the following data.

Name	EmployeeID	ParentEmployeeID
David	100	100
Simon	101	100
Wenanta	102	100
Conrad	103	101
Priyish	104	103
Sunil	105	103
Pavel	106	102

Each employee has one manager as shown in the ParentEmployeeID column.

All reporting paths lead to the CEO at the top of the organizational hierarchy.

You need to create a calculated column that returns the count of levels from each employee to the CEO.

Which DAX expression should you use?

A. PATHLENGTH(PATH(Employee[EmployeeID],Employee[ParentEmployeeID]))

B. PATHITEM(PATH(Employee[EmployeeID],Employee[ParentEmployeeID]),1,INTEGER)

C. PATHCONTAINS(PATH(Employee[EmployeeID],Employee[ParentEmployeeID]),1)

D. PATH(Employee[EmployeeID],Employee[ParentEmployeeID])

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 61

Topic #: 2

[All PL-300 Questions]

You have a Microsoft Power BI report. The size of PBIX file is 550 MB. The report is accessed by using an App workspace in shared capacity of powerbi.com.

The report uses an imported dataset that contains one fact table. The fact table contains 12 million rows. The dataset is scheduled to refresh twice a day at 08:00 and 17:00.

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

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

You need to recommend a solution to improve the performance of the report.

What should you recommend?

A. Replace the default visuals with AppSource visuals.

B. Remove unused columns from tables in the data model.

C. Change the imported dataset to DirectQuery

D. Increase the number of times that the dataset is refreshed.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 62

Topic #: 2

[All PL-300 Questions]

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: 2018-12-31 at 08:59.

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

What should you do?

    A. Change the data type of the Logged column to Date.

    B. Split the Logged column by using at as the delimiter.

    C. Add a conditional column that outputs 2018 if the Logged column starts with 2018 and set the data type of the new column to Whole Number.

    D. Apply the Parse function from the Date transformations options to the Logged column.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 63

Topic #: 2

[All PL-300 Questions]

HOTSPOT
-

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

Product	Sales	Date
ProductCategory	∑ InvoiceNumber	A꞊ Date
ProductID	ProductID	Month
ProductName	SaleDate	Quarter
	∑ SalesAmount	Year
	∑ SalesQuantity	
Collapse ∧	Collapse ∧	Collapse ∧
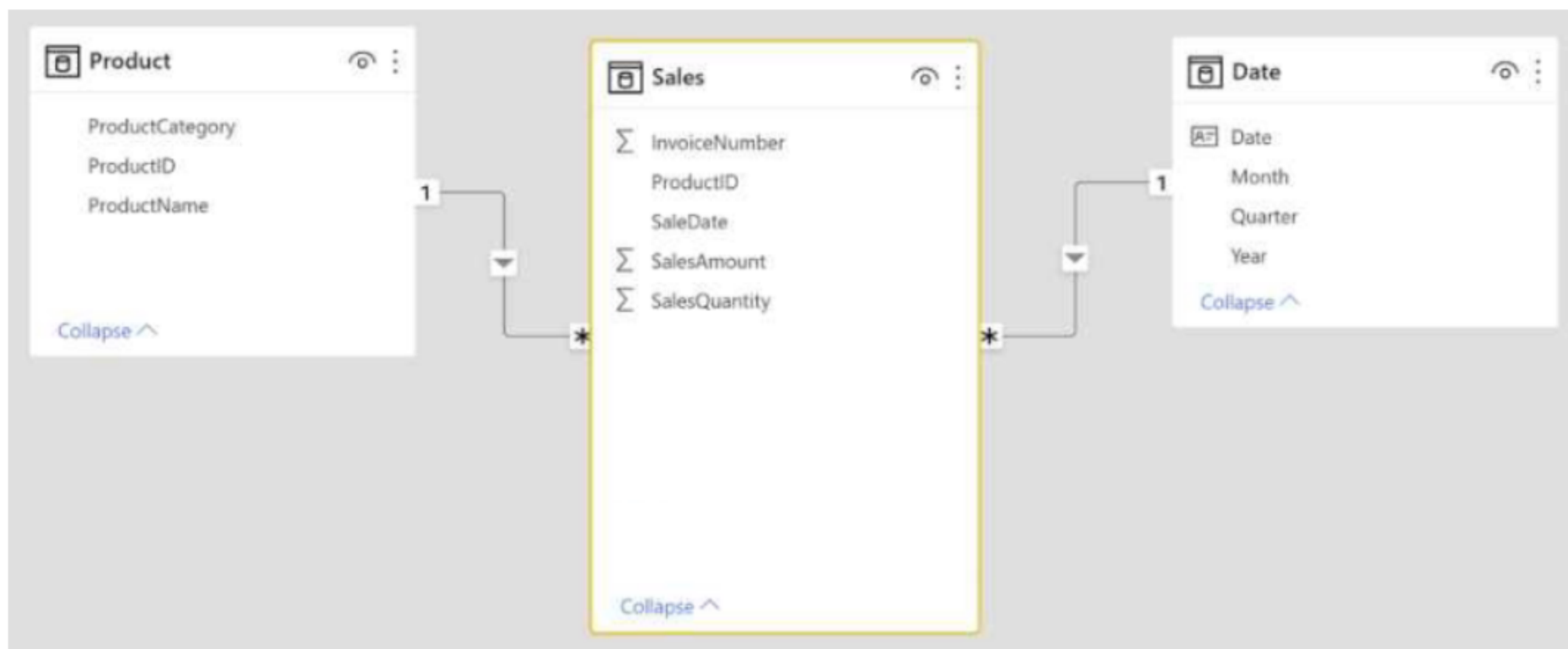
You need to create a measure to count the number of product categories that had products sold during a selected period.

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

NOTE: Each correct selection is worth one point.

```
Product Categories Sold =

CALCULATE (                ▼              ▼  )
        DISTINCTCOUNT('Product'[ProductCategory]),    'Sales'
        COUNT('Product'[ProductCategory]),            'Product'
        DISTINCTCOUNT('Sales'[ProductID]),            'Product'[ProductCategory]
        SUM('Sales'[SalesQuantity]),                  'Date'
```

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 64

Topic #: 2

[All PL-300 Questions]

You have a Microsoft Power BI report. The size of PBIX file is 550 MB. The report is accessed by using an App workspace in shared capacity of powerbi.com.

The report uses an imported dataset that contains one fact table. The fact table contains 12 million rows. The dataset is scheduled to refresh twice a day at 08:00 and 17:00.

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

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

You need to recommend a solution to improve the performance of the report.

What should you recommend?

A. Enable visual interactions.

B. Change any DAX measures to use iterator functions.

C. Implement row-level security (RLS).

D. Remove unused columns from tables in the data model.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 65

Topic #: 2

[All PL-300 Questions]

HOTSPOT

-

You have the Power BI data model shown in the following exhibit.
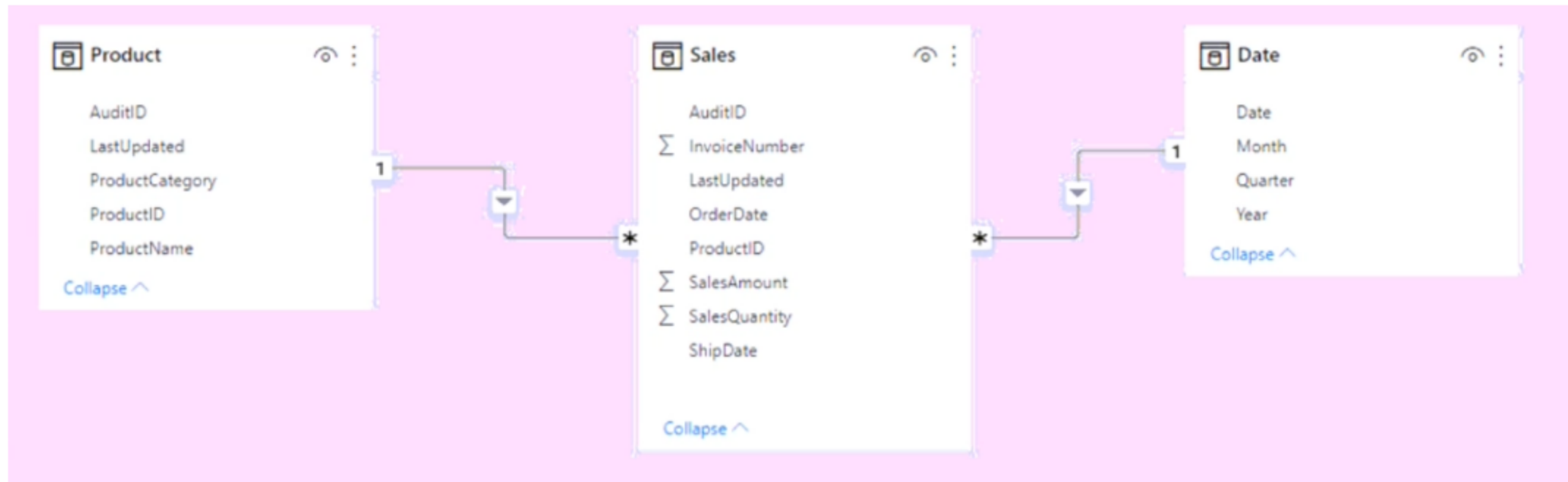
The Sales table has the following columns.

Name	Data type	Sample value
ProductID	Whole number	1
InvoiceNumber	Whole number	100005
OrderDate	Date	2022-05-09
ShipDate	Date	2022-05-12
SalesAmount	Decimal number	1500.75
SalesQuantity	Whole number	3
LastUpdated	Date/time	5/22/2022 11:45:30 AM
AuditID	Whole number	123212

The data model must support the following analysis:

• Total sales by product by month in which the order was placed
• Quantities sold by product by day on which the order was placed
• Number of sales transactions by quarter in which the order was placed

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

NOTE: Each correct selection is worth one point.

Statements	Yes	No
Removing the LastUpdated column from the Sales table reduces the model size while still supporting the required analysis.	○	○
Removing the ProductID column from the Sales table reduces the model size while still supporting the required analysis.	○	○
Removing the ShipDate column from the Sales table reduces the model size while still supporting the required analysis.	○	○

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 66

Topic #: 2

[All PL-300 Questions]

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: 2018-12-31 at 08:59.

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

What should you do?

A. Create a column by example that starts with 2018-12-31 and set the data type of the new column to Date

B. Create a column by example that starts with 2018-12-31

C. Apply a transformation to extract the last 11 characters of the Logged column

D. Add a conditional column that outputs 2018 if the Logged column starts with 2018 and set the data type of the new column to Whole Number

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 67

Topic #: 2

[All PL-300 Questions]

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

• Employee Name

• Email Address

• Start Date

• Job Title

You are implementing dynamic row-level security (RLS).

You need to create a table filter to meet the following requirements:

• Users must see only their own employee data.
• The DAX expression must work in both Power BI Desktop and the Power BI service.

Which expression should you use?

A. [Email Address] - USERNAME()

B. [Employee Name] - USERPRINCIPALNAME()

C. [Employee Name] = USERNAME()

D. [Email Address] = USERPRINCIPALNAME()

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 68

Topic #: 2

[All PL-300 Questions]

DRAG DROP

-

You have the Power BI data model shown in the following exhibit.
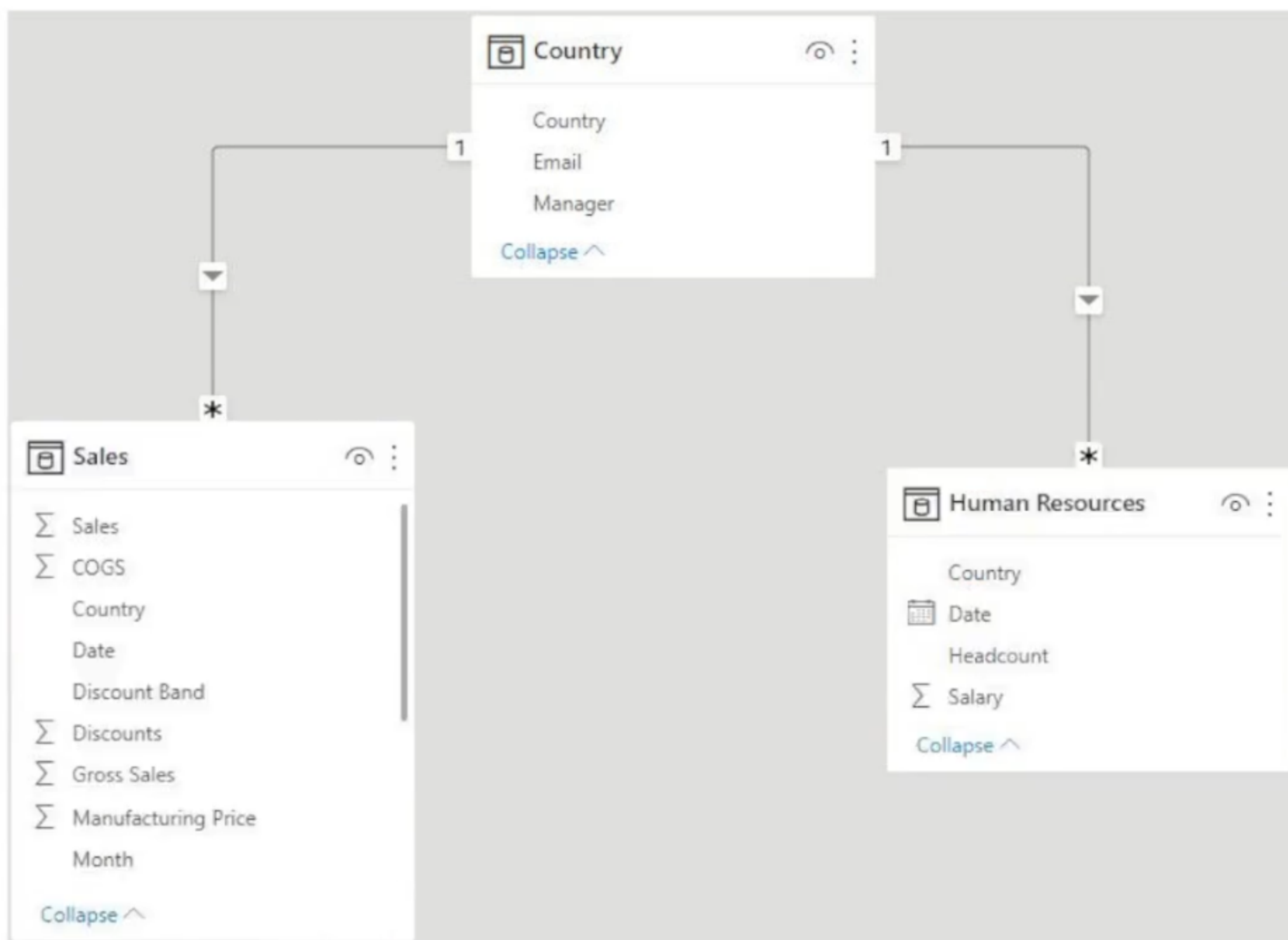
The Country table contains the following data.

Country	Manager	Email
USA	CFO	cfo@msn.com
France	Phillipe	phillipe@msn.com
Brazil	Juan	juan@msn.com
Singapore	Srini	srini@msn.com

You create two row-level security (RLS) roles named Manager and CFO.

You plan to publish the dataset to the Power BI service.

You need to create DAX expressions for the RLS filters. The solution must meet the following requirements:

• Each manager must see only the data in the Sales and Human Resources tables for their own country.
• The CFO must be prevented from seeing the data in the Human Resources table.
• The CFO must see the sales data of all countries.

How should you complete the DAX expressions to meet the requirements? To answer, drag the appropriate expressions to the correct targets. Each expression 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.

Table Filter DAX Expression

[Country]= "USA"

[Email]= userprincipalname()

[Manager]= "CFO"

False()

True()

Answer Area

Human Resources: [_____]

Country: [_____]

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 69

Topic #: 2

[All PL-300 Questions]

You have a Power BI data model that imports data from a Microsoft Excel spreadsheet.

You use Power Query to load a query that contains both renamed and custom columns.

Later, you attempt to reload the query and receive the following error message.

Expression.Error: The column 'Category' of the table wasn't found.

What are two possible causes of the error? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

    A. The column was removed from the source file.

    B. The column was renamed in the source file.

    C. The file is no longer in the specified location.

    D. The data type of the column was changed.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 70

Topic #: 2

[All PL-300 Questions]

You have a Power BI model that contains a table named Sales. The Sales table contains the following columns:

• Order Line ID
• Product ID
• Unit Price
• Order ID
• Quantity

Orders are uniquely identified by using the order ID and can have multiple order lines. Each order line within an order contains a different product ID.

You need to write a DAX measure that counts the number of orders.

Which formula should you use?

    A. Count('Sales'[Order ID])

    B. CountA('Sales' [Order ID])

    C. CountRows('Sales')

    D. DistinctCount('Sales' [Order ID])

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 71

Topic #: 2

[All PL-300 Questions]

HOTSPOT

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You are creating a Power BI model in Power BI Desktop.

You need to create a calculated table named Numbers that will contain all the integers from -100 to 100.

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

NOTE: Each correct selection is worth one point.

Answer Area

Numbers =

▼
GENERATE
GENERATEALL
GENERATESERIES

▼
(100, 1, 200)
(-100, 100, 1)
(-1, -100, 100)

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 72

Topic #: 2

[All PL-300 Questions]

In Power Query Editor, you have a query named Sales Data that contains the following columns.

Name	Data type
Sale date	Date
Product ID	Whole number
Product name	Text
Product category	Text
Customer ID	Whole number

You need to create two queries named Product Dimension and Sales Fact based on the Sales Data query. The solution must minimize maintenance effort and the size of the dataset.

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

NOTE: Each correct selection is worth one point.

A. Reference the Sales Data query to create the new queries.

B. Disable the load for the Sales Fact query.

C. Duplicate the Sales Data query to create the new queries.

D. Clear Include in report refresh for the Sales Data query.

E. Disable the load for the Sales Data query.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 73

Topic #: 2

[All PL-300 Questions]

You have a Power BI model that contains a table named Date. The Date table contains the following columns:

• Date

• Fiscal Year

• Fiscal Quarter

• Month Name

• Calendar Year

• Week Number

• Month Number

• Calendar Quarter

You need to create a calculated table based on the Date table. The calculated table must contain only unique combinations of values for Calendar Year, Calendar Quarter, and Calendar Month.

Which DAX function should you include in the table definition?

    A. ADDCOLUMNS

    B. CALCULATE

    C. SUMMARIZE

    D. DATATABLE

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 74

Topic #: 2

[All PL-300 Questions]

HOTSPOT

-

You have a Power BI model that contains the following data.

Table name	Column name	Description	Data type
Date	Date	Calendar date	Date
	Month	Calendar month	Text
	Year	Calendar year	Integer
Sales	Sale	Sales value	Decimal number
	Date	Calendar date	Date

The Date table relates to the Sales table by using the Date columns.

You need to create a calculated table that will contain the following:

• A row for each year
• A column that contains the total sales per year

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

NOTE: Each correct selection is worth one point.

Answer Area

```
SalesSummary=

[            ▼]  ( Sales,  [            ▼] ,"Sales", SUM (Sales[Sale] ) ) )
 ROLLUP                    Date[Date]
 SELECTCOLUMNS             Date[Year]
 SUMMARIZE                 Sales[Date]
```

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 75

Topic #: 2

[All PL-300 Questions]

You use Power Query Editor to import and preview sales data from the years 2020 and 2021 in a Microsoft Excel file as shown in the following exhibit.

ᴬᴮC Month	1²3 2020	1²3 2021
● Valid ... 100% ● Error ... 0% ● Empty ... 0%	● Valid ... 100% ● Error ... 0% ● Empty ... 0%	● Valid ... 100% ● Error ... 0% ● Empty ... 0%
12 distinct, 12 unique	12 distinct, 12 unique	12 distinct, 12 unique
January	4400	4908
February	2988	3722
March	5230	4815
April	4500	5031
May	3850	4354
June	6215	6019
July	2507	3922
August	3605	3740
September	4680	4850
October	3955	4612
November	6510	6480
December	5200	5155

You need to shape the query to display the following three columns:

• Month

• Sales

• Year

What should you select in Power Query Editor?

    A. Merge columns

    B. Transpose

    C. Unpivot columns

    D. Pivot column

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 76

Topic #: 2

[All PL-300 Questions]

HOTSPOT

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You are creating a Power BI model to analyze inventory.

You load data into three tables named Date, Product, and Inventory. The Inventory table relates to the Date and Product tables by using one-to-many relationships.

Inventory data is recorded daily with no exceptions. The correct inventory quantity for a given product in a month is the last recorded value for that month.

You need to write a DAX measure that will show the correct inventory value when a user analyzes inventory by year, month, or date.

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

NOTE: Each correct selection is worth one point.

Answer Area

```
Last Inventory Count =
    [                    ▼]
     AllSelected
     Calculate
     CalculateTable
        SUM ( 'Inventory'[QuantityAvailable] ),
        [              ▼]  ( 'Date'[Date] ))
         LastDate
         LastNonBlankValue
         Max
```

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 77

Topic #: 2

[All PL-300 Questions]

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

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

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

• Due Date

• Order Date

• Delivery Date

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

Solution: From the Fields pane, you rename the date table as Due Date. You use a DAX expression to create Order Date and Delivery Date as calculated tables. You create active relationships between the sales table and each date table.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 78

Topic #: 2

[All PL-300 Questions]

HOTSPOT

-

You are creating a Power BI report that will show the number of current employees over time. The report will use Import storage mode for all tables.

The employment data will be imported from Azure SQL Database in a monthly snapshot. The data will be stored in a table named Headcount and will contain the following:

• One row per employee for each month the employee is employed
• In each row, a date key that shows the first day of the month of each snapshot

You have a related date table that contains dates for the years 2020 to 2030.

You need to create a semi-additive DAX measure that will return the count of employees for the last available date in a year, quarter, or month.

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

Answer Area

Headcount =

Calculate

| (ApproximateDistinctCount('Headcount'[EmployeeKey]), |
| (CountRows('Headcount'), |
| (Max('Headcount'[EmployeeKey]), |
| (Sum('Headcount'[EmployeeKey]), |

| FirstDate('Headcount'[DateKey])) |
| LastDate('Date'[Date])) |
| LastDate('Headcount'[DateKey])) |
| LastNonBlank('Date'[Date])) |

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 79

Topic #: 2

[All PL-300 Questions]

HOTSPOT

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You have a query named All Sales that imports sales data into a Power BI model.

You plan to create a star schema by separating columns into separate queries and performing further transformations. The solution must meet the following requirements:

• Use All Sales as the source for three other queries named Sales Fact, Product Dimension, and Customer Dimension.
• Minimize maintenance effort.

What should you do to create the Sales Fact query, and for which query should you clear Enable load? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

To create Sales Fact:

| Duplicate the All Sales query. |
| Duplicate the Customer Dimension query. |
| Reference the All Sales query. |
| Reference the Customer Dimension query. |

Clear Enable data load for:

| All Sales |
| Customer Dimension |
| Product Dimension |
| Sales Fact |

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 80

Topic #: 2

[All PL-300 Questions]

You have a Power BI model that contains the following data.

Table name	Column name	Description	Data type
Date	Date	Calendar date	Date
	Month	Calendar month	Text
	Year	Calendar year	Integer
Sales	Sale	Sales value	Decimal number
	Date	Calendar date	Date

The Date table relates to the Sales table by using the Date columns.

The model contains the following DAX measure.

Total Sales = SUM(Sales[Sale])

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

Which DAX calculation should you use?

A. CALCULATE ([Total Sales], DATEADD (Date[Date], -1, QUARTER))

B. CALCULATE ([Total Sales], DATESQTD (Date[Date]))

C. TOTALQTD ([Total Sales], Date[Date])

D. CALCULATE ([Total Sales], PARALLELPERIOD (Date[Date], 1, QUARTER))

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 81

Topic #: 2

[All PL-300 Questions]

You have a Microsoft Power BI report. The size of PBIX file is 550 MB. The report is accessed by using an App workspace in shared capacity of powerbi.com.

The report uses an imported dataset that contains one fact table. The fact table contains 12 million rows. The dataset is scheduled to refresh twice a day at 08:00 and 17:00.

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

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

You need to recommend a solution to improve the performance of the report.

What should you recommend?

A. Change any DAX measures to use iterator functions.

B. Implement row-level security (RLS).

C. Replace the default visuals with AppSource visuals.

D. Split the visuals onto multiple pages.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 82

Topic #: 2

[All PL-300 Questions]

You are reviewing a Power BI data model.

You have a calculated table that has the following definition.

ProductList = INTERSECT (ProductsGroupA, ProductsGroupB)

You need to identify the results of the DAX expression.

Which rows will be returned in ProductList?

   A. all the rows in ProductsGroupB that have a matching row in ProductsGroupA

   B. all the rows in both tables

   C. all the rows in ProductsGroupA that have a matching row in ProductsGroupB

   D. all the rows in ProductsGroupA that have no matching row in ProductsGroupB.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 83

Topic #: 2

[All PL-300 Questions]

You have a Power BI data model that contains two tables named Sales and Date. The Sales table contains three measures named Order Quantity, Product Cost, and Sales Amount.

You need to create the visual shown in the following exhibit.

	2020	2021	2022	2023	Total
Order Quantity	12036	60974	128956	72810	274776
Product Cost	10,047,701.66	27,603,232.56	38,619,703.29	20,987,270.44	97,257,907.95
Sales Amount	11,928,555.52	30,516,891.80	42,895,109.50	24,468,717.39	109,809,274.20

In which section of the Fields well should you place the measures?

A. Columns

B. Rows

C. Values

D. Drill through

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 84

Topic #: 2

[All PL-300 Questions]

HOTSPOT

-

You have Power BI report that contains the fields shown in the following exhibit.

Visualizations »

Build visual

X-axis

| Year | ∨ ✕ |

Y-axis

| Sum of Sales Amount | ∨ ✕ |
| Sum of Product Cost | ∨ ✕ |

Legend

Add data fields here

Small multiples

Add data fields here

Tooltips

Add data fields here

Data

Search

> ⊞ Date
> ⊞ Headcount
> ⊞ Sales
∨ ⊞ SalesDetails
  ☐ CustomerKey
  ☐ DueDateKey
  ☐ Extended Amount
  ☐ ∑ Order Quantity
  ☐ OrderDateKey
  ☑ ∑ Product Cost
  ☐ Product Standard Cost
  ☐ ProductKey
  ☐ ResellerKey
  ☑ ∑ Sales Amount
  ☐ SalesDate
  ☐ SalesOrderLineKey
  ☐ SalesTerritoryKey
  ☐ ShipDateKey
  ☐ Unit Price
  ☐ Unit Price Discount Pct

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

To replace all the implicit DAX measures used in the visual, **[answer choice]** must be created.

▼
one explicit measure
two explicit measures
three explicit measures

To change how the Product Cost field is aggregated in additional visuals, you must change the **[answer choice]**.

▼
data category
data type
DAX expression
Summarization setting

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 85

Topic #: 2

[All PL-300 Questions]

You have a Power BI model that contains a table named Employees. The table contains the following columns:

• Employee ID
• First Name
• Last Name
• Department
• Salary

Each employee is uniquely identified by using Employee ID.

You need to create a DAX measure that will calculate the average salary of all the employees in the sales department.

Which DAX expression should you use?

A. DISTINCTCOUNT('Employees'[Salary])

B. CALCULATE(DISTINCTCOUNT('Employees'[Salary]), 'Employees'[Department] = "Sales")

C. CALCULATE(AVERAGE('Employees'[Salary]), 'Employees'[Department] = "Sales")

D. AVERAGE('Employees'[Salary])

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 86

Topic #: 2

[All PL-300 Questions]

You use Power Query Editor to preview a query that contains sales order data in the following columns:

• Tax Amount

• Sales Order ID

• Freight Amount

• Subtotal Amount

• Total Item Quantity

The Sales Order ID column uniquely identifies each sales order. The Subtotal Amount and Total Item Quantity columns are always populated, but the Tax Amount and Freight Amount columns are sometimes null when an order has no associated amount.

You need to query the data to identify the following metrics by month:

• The average item quantity per order

• The average freight amount per order

• The maximum item quantity per order

How should you modify the query?

    A. In the Total Item Quantity column, replace the null values with 0.

    B. In the Tax Amount column, remove rows that contain null values.

    C. In the Freight Amount column, remove rows that contain null values.

    D. In the Freight Amount column, replace the null values with 0.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 1

Topic #: 3

[All PL-300 Questions]

DRAG DROP -

You have a Microsoft Excel spreadsheet that contains the data shown in the following table.

Department	Stage	School1	School2	School3	School4
Mathematics	1	75	65	90	70
Mathematics	2	80	70	80	75
Geography	1	95	65	80	75
Geography	2	80	70	80	75

You plan to build a data model for a Power BI report.

You need to prepare the data so that it is available to the model in the format shown in the following table.

Department	School	Avg Score
Mathematics	School1	77.5
Geography	School1	87.5

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

Select and Place:

Actions

Select the [Department] and [Stage] columns and unpivot the other columns.

Select and unpivot the [Department] and [Stage] columns.

Group by [Department] and [School] and create a new column named [Avg Score] that uses the AVERAGE function on the [Score] column.

Rename the [Attribute] column as [School] and the [Value] column as [Score].

Group by [Department],[School1],[School2],[School3],[School4] and create a new column named [Avg Score] that uses the AVERAGE function on the [Stage] column.

Answer Area

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 2

Topic #: 3

[All PL-300 Questions]

You have a report that contains a bar chart and a column chart. The bar chart shows customer count by customer segment. The column chart shows sales by month.

You need to ensure that when a segment is selected in the bar chart, you see which portion of the total sales for the month belongs to the customer segment.

How should the visual interactions be set on the column chart when the bar chart is selected?

A. highlight

B. filter

C. no impact

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 3

Topic #: 3

[All PL-300 Questions]

A user creates a Power BI report named ReportA that uses a custom theme.

You create a dashboard named DashboardA.

You need to ensure that DashboardA uses the custom theme. The solution must minimize development effort.

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

NOTE: Each correct selection is worth one point.

    A. Publish ReportA to Power BI.

    B. From ReportA save the current theme.

    C. Publish ReportA to the Microsoft Power BI Community theme gallery.

    D. From DashboardA, create a custom theme.

    E. From DashboardA, upload a JSON theme.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 4

Topic #: 3

[All PL-300 Questions]

You need to create a visualization that compares revenue and cost over time.

Which type of visualization should you use?

A. waterfall chart

B. stacked area chart

C. line chart

D. donut chart

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 5

Topic #: 3

[All PL-300 Questions]

HOTSPOT -

You have a report in Power BI Desktop.

You add a key influencers visual as shown in the exhibit. (Click the Exhibit tab.)
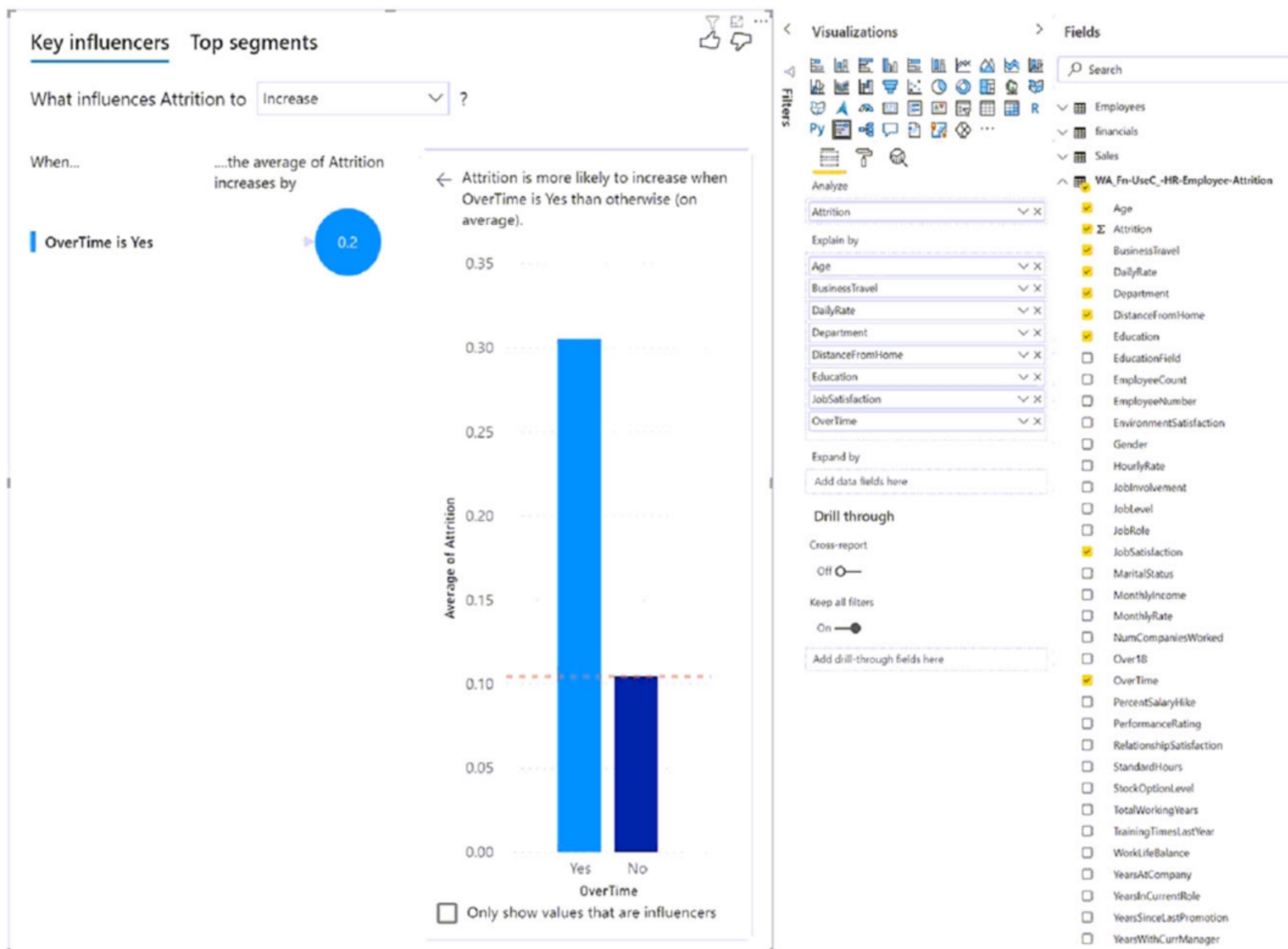
Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Identifying additional factors that increase attrition can be achieved by **[answer choice]**.

turning on Cross-report
adding more fields to Explain by
adding more fields to Expand by
moving fields from Explain by to Expand by

Employee attrition is **[answer choice]** times greater when employees work overtime.

0.11
.2
1
3

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 6

Topic #: 3

[All PL-300 Questions]

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 influencers

B. Line and clustered column chart

C. Q&A

D. Funnel chart

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 7

Topic #: 3

[All PL-300 Questions]

HOTSPOT -

You have a table that contains the following three columns:

City -

.

⇨ Total Sales

⇨ Occupation

You need to create a key influencers visualization as shown in the exhibit. (Click the Exhibit tab.)

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

NOTE: Each correct selection is worth one point.

Hot Area:

Show Suggested Answer

▲

Actual exam question from Microsoft's PL-300

Question #: 8

Topic #: 3

[All PL-300 Questions]

You are using the key influencers visual to identify which factors affect the quantity of items sold in an order.

You add the following fields to the Explain By field:

⇨ Customer Country

⇨ Product Category

⇨ Supplier Country

⇨ Sales Employee

⇨ Supplier Name

⇨ Product Name

⇨ Customer City

The key influencers visual returns the results shown in the following exhibit.

Key influencers   Top segments
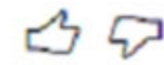
What influences Quantity Per Order to   Increase   ∨ ?

When...

....the average of Quantity Per Order increases by

Customer City is Cunewalde   22.39

Customer City is Graz   22.21

Customer City is Boise   20.37

Customer Country is Austria   18.8

← Quantity Per Order is more likely to increase when Customer City is Cunewalde than otherwise (on average).

Average of Quantity Per Order

Average (excluding selected) 23.70

40

20

0

Cunewalde Graz Boise München Cork Montréal Bracke I. de Margarita Charleroi

Customer City
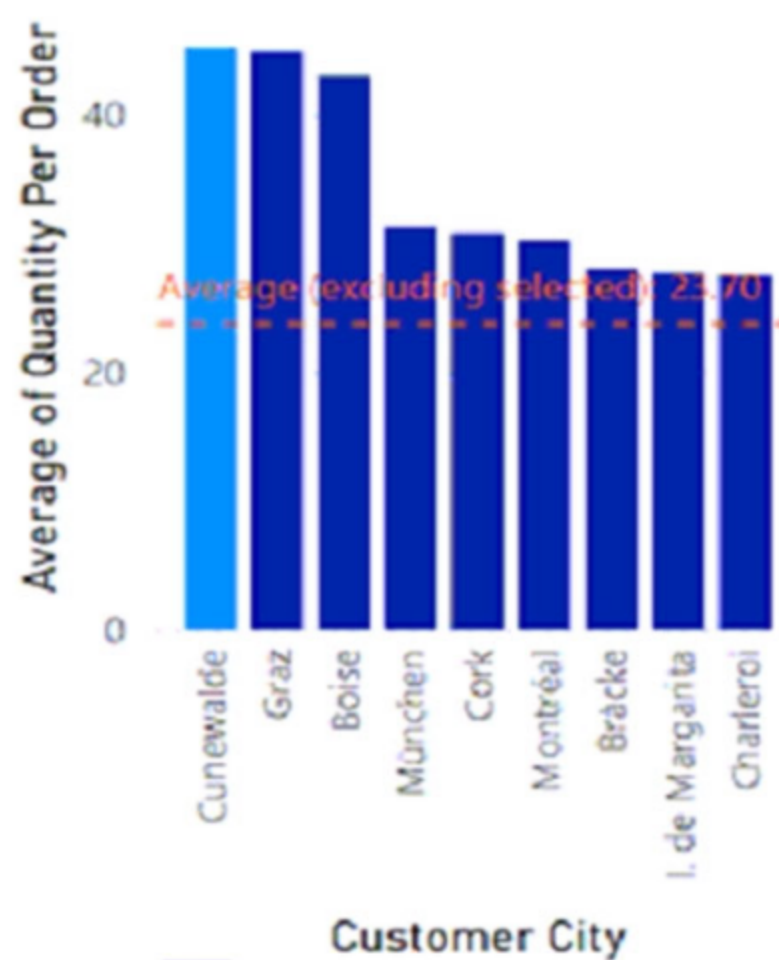
☐ Only show values that are influencers

What can you identify from the visual?

A. Customers in Austria order 18.8 more units than the average order quantity.

B. Customers in Boise order 20.37 percent more than the average order quantity.

C. Product Category positively influences the quantity per order.

D. Customers in Cork order lower quantities than average.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 9

Topic #: 3

[All PL-300 Questions]

You have a report that contains four pages. Each page contains slicers for the same four fields.

Users report that when they select values in a slicer on one page, the selections are not persisted on other pages.

You need to recommend a solution to ensure that users can select a value once to filter the results on all the pages.

What are two possible recommendations to achieve this goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

    A. Create a bookmark for each slicer value.

    B. Replace the slicers with report-level filters.

    C. Sync the slicers across the pages.

    D. Replace the slicers with page-level filters.

    E. Replace the slicers with visual-level filters.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 10

Topic #: 3

[All PL-300 Questions]

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

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 11

Topic #: 3

[All PL-300 Questions]

DRAG DROP -

You have a Power BI dashboard named DashboardA that contains a tile named TileA. TileA contains a treemap visual from a report named ReportA.

You need to provide the users of DashboardA with additional tiles that relate to the contents of TileA.

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.

Select and Place:

Actions

From Focus mode, pin the relevant visuals to DashboardA.

From Focus mode, review the generated visuals.

From DashboardA, select the TileA options, and then select **View insights**.

From ReportA, select the treemap visual options, and then select **Spotlight**.

From ReportA, select **Get Insights**.

From DashboardA, select **TileA** to open ReportA.

Answer Area

> <

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 12

Topic #: 3

[All PL-300 Questions]

You are creating a dashboard by using the Power BI service.

You have an existing report page that contains three charts.

You need to add the charts to the dashboard while maintaining the interactivity between the charts.

What should you do?

A. Edit interactions in the report and set all interactions to Filter.

B. Pin each chart as a tile.

C. Edit the dashboard theme and pin each chart as a tile.

D. Pin the report page as a live tile.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 13

Topic #: 3

[All PL-300 Questions]

HOTSPOT -

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.

Hot Area:

Answer Area

Conditional formatting:

▼
Background color
Data bars
Font color
Icons
Web URL

Format by:

▼
Color scale
Field value
Rules

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 14

Topic #: 3

[All PL-300 Questions]

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.

Select and Place:

Actions

| Answer Area |

Pin items from the reports to the dashboard.

Open the dashboard.

Create a phone layout for the existing reports.

Edit the Dashboard mobile view.

Rearrange, resize, or remove items from the mobile layout.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 15

Topic #: 3

[All PL-300 Questions]

You plan to create the chart shown in the following exhibit.
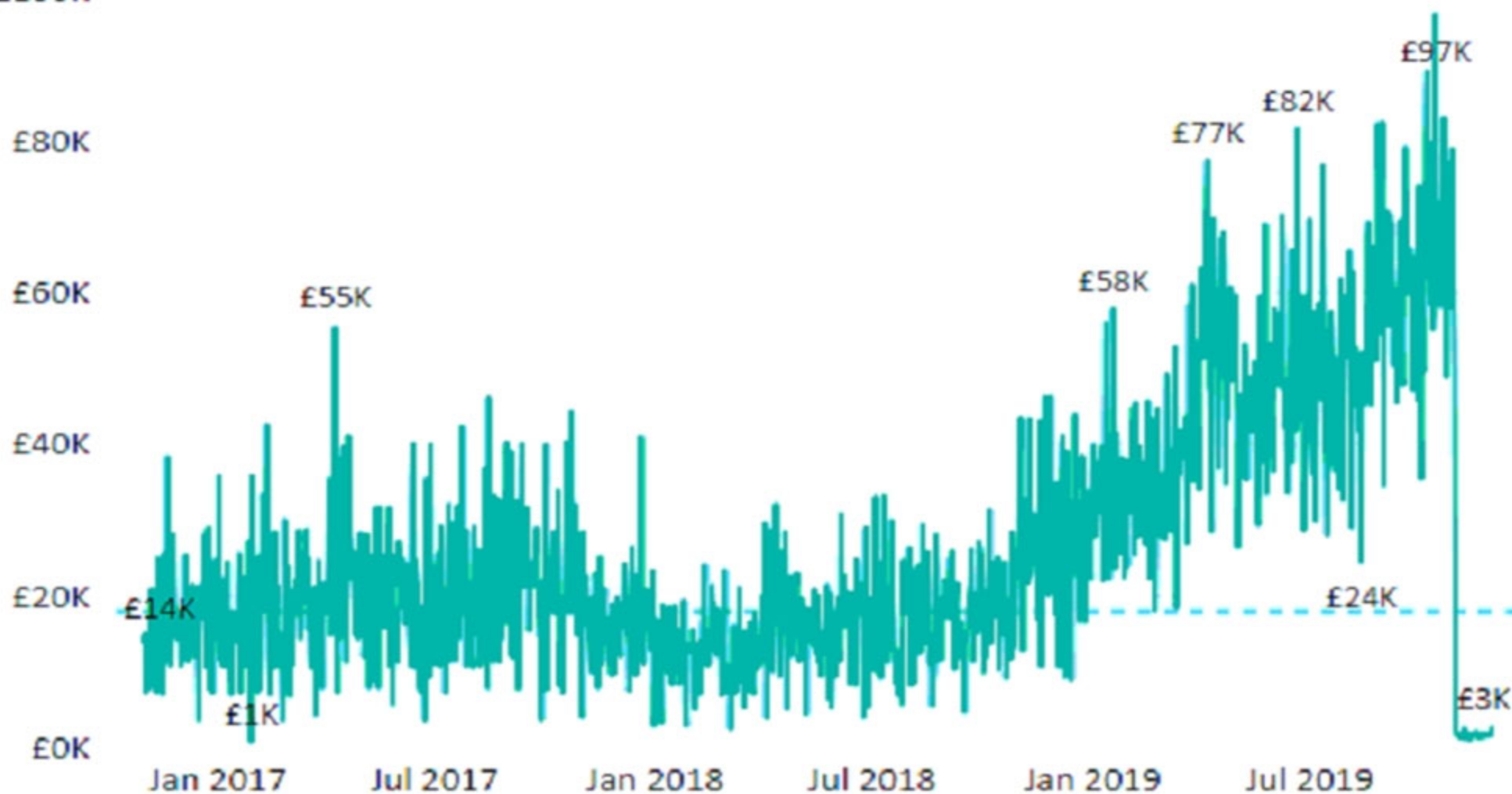
How should you create the dashed horizontal line denoting the 40th percentile of daily sales for the period shown?

A. Add a measure to the visual that uses the following DAX expression. Measure1 = PERCENTILEX.INC (Sales,sales[Total Sales],0.40)

B. Add a measure to the visual that uses the following DAX expression. Measure1 = PERCENTILEX.EXC (Sales,sales[Total Sales],0.40)

C. Add a new percentile line that uses Total Sales as the measure and 40% as the percentile.

D. Create a horizontal line that has a fixed value of 24,000.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 16

Topic #: 3

[All PL-300 Questions]

You are building a Power BI report.

Users will view the report by using their mobile device.

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

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

NOTE: Each correct selection is worth one point.

    A. From Power Query Editor, detect the data types of the relevant columns.

    B. In Data Category, set the geographic data category for the relevant columns.

    C. Create a hierarchy for columns of the geography data type.

    D. Use the columns of the geography data type in all visuals.

    E. For the relevant columns, set synonyms to match common geographical terms.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 17

Topic #: 3

[All PL-300 Questions]

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

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

What should you do?

A. Select the donut chart and set the column chart interaction to Filter.

B. Select the column chart and set the donut chart interaction to Filter.

C. Select the donut chart and set the column chart interaction to None.

D. Select the column chart and set the donut chart interaction to None.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 18

Topic #: 3

[All PL-300 Questions]

HOTSPOT -

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.

Hot Area:

Answer Area

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

cross-filter
cross-highlight
not affect

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

cross-filter
cross-highlight
not affect

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 19

Topic #: 3

[All PL-300 Questions]

You are creating a Power BI report by using Power BI Desktop.

You need to include a visual that shows trends and other useful information automatically. The visual must update based on selections in other visuals.

Which type of visual should you use?

A. Q&A

B. smart narrative

C. key influencers

D. decomposition tree

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 20

Topic #: 3

[All PL-300 Questions]

In Power BI Desktop, you have a dataset that contains a table.

You create a table visual on a Power BI report page as shown in the following exhibit.

Plant Name	Plant Image
Pothos	https://raw.githubusercontent.com/ml
Spider plant	https://raw.githubusercontent.com/ml
philodendron	https://raw.githubusercontent.com/ml
ZZ plant	https://raw.githubusercontent.com/ml

You need to configure the visual to display the referenced image instead of the URL in the Plant Image column.

What should you do?

A. From the Formatting tab, select Values, and then set URL icons to On for the table.

B. Set the Data category of the Plant Image field to Web URL.

C. Set the Data type of the Plant Image field to Binary.

D. Set the Data category of the Plant Image field to Image URL.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 21

Topic #: 3

[All PL-300 Questions]

DRAG DROP -

You have a Microsoft Excel spreadsheet named Excel1 that contains survey results.

You have a Power BI dashboard named DashboardA that has Q&A enabled.

You need to ensure that users who can access DashboardA can ask questions based on the contents of Excel1 and pin visuals based on their queries to DashboardA. The solution must minimize development time.

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.

Select and Place:

Actions

| From powerbi.com, pin a range from Excel1 to DashboardA. |

| From Excel, format the data in Excel1 as a table. |

| From powerbi.com, import Excel1 as a dataset. |

| From powerbi.com, add a tile for the Excel1 dataset to DashboardA. |

| From Excel, create a named range by using the data in Excel1. |

| From powerbi.com, upload Excel1. |

Answer Area

⊘

⊘

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 22

Topic #: 3

[All PL-300 Questions]

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 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 a 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

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 23

Topic #: 3

[All PL-300 Questions]

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 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 a numerical amount representing US dollars.

You need to create a reference line to show which employees are above the median salary.

Solution: You create an average line by using the Salary measure.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 24

Topic #: 3

[All PL-300 Questions]

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 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 a numerical amount representing US dollars.

You need to create a reference line to show which employees are above the median salary.

Solution: You create a percentile line by using the Salary measure and set the percentile to 50%.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's PL-300
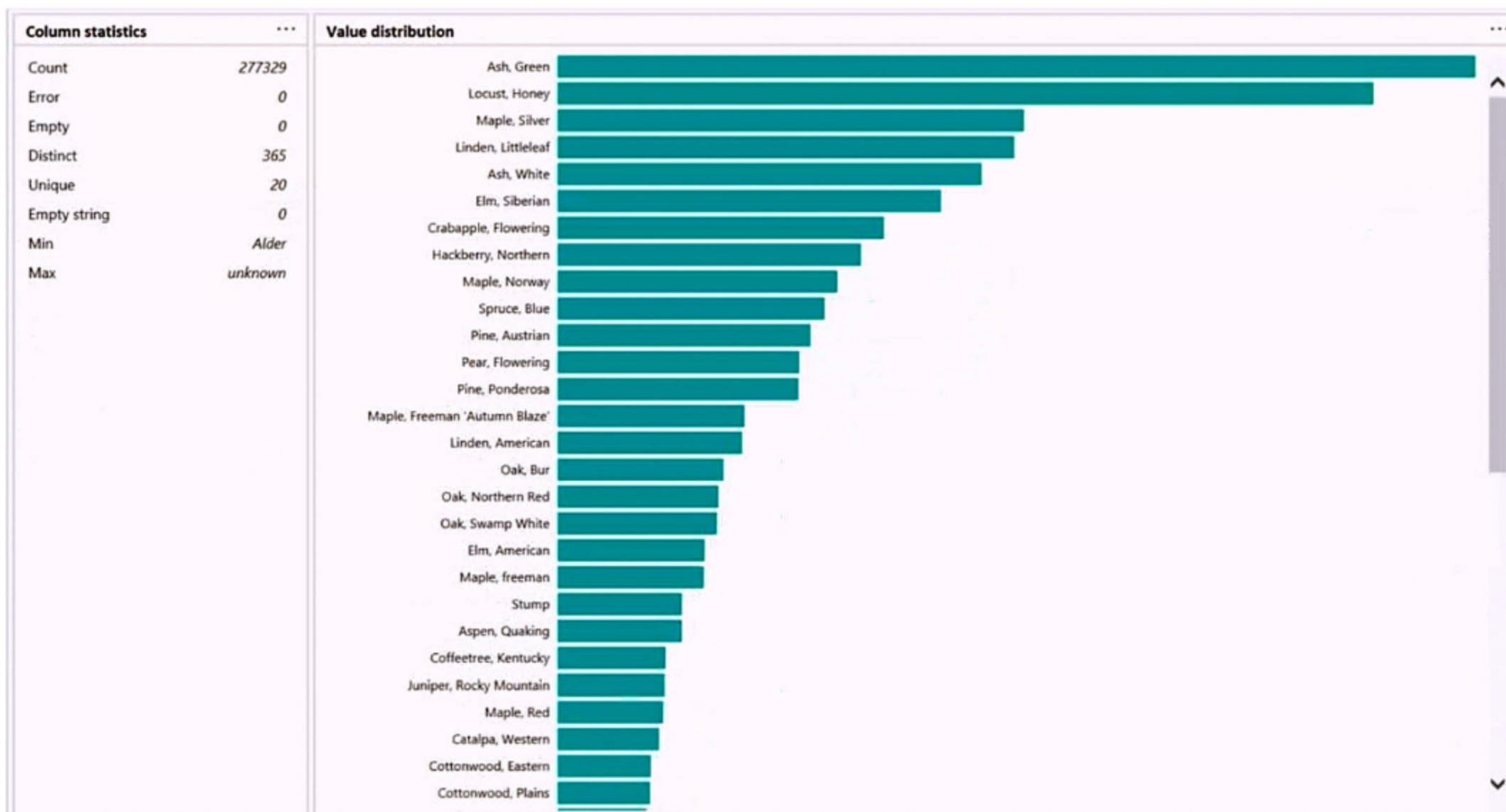
Question #: 25

Topic #: 3

[All PL-300 Questions]

HOTSPOT -

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 graphic.

NOTE: Each correct selection is worth one point.

Hot Area:

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

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 26

Topic #: 3

[All PL-300 Questions]

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. Enable report readers to personalize visuals.

B. Create a separate report page for users to view the column chart.

C. Add a column chart, a bookmark, and a button for users to choose a visual.

D. Create a mobile report that contains a column chart.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 27

Topic #: 3

[All PL-300 Questions]

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 answer presents part of the solution.

NOTE: Each correct selection is worth one point.

    A. Upload a snapshot.

    B. For the browser, set the color preference to dark mode.

    C. When pinning visuals to the dashboard, select Use destination theme.

    D. Select the dark dashboard theme.

    E. Turn on tile flow.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 28

Topic #: 3

[All PL-300 Questions]

HOTSPOT -

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

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

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Chart type:

Line
Pie
Treemap

Chart configuration:

Select the Show value as option
Enable Cross-report drill-through
Populate the axis with a date field

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 29

Topic #: 3

[All PL-300 Questions]

You have a line chart that shows the number of employees in a department over time.

You need to see the total salary costs of the employees when you hover over a data point.

What should you do?

    A. Add salary to the drillthrough fields.

    B. Add salary to the visual filters.
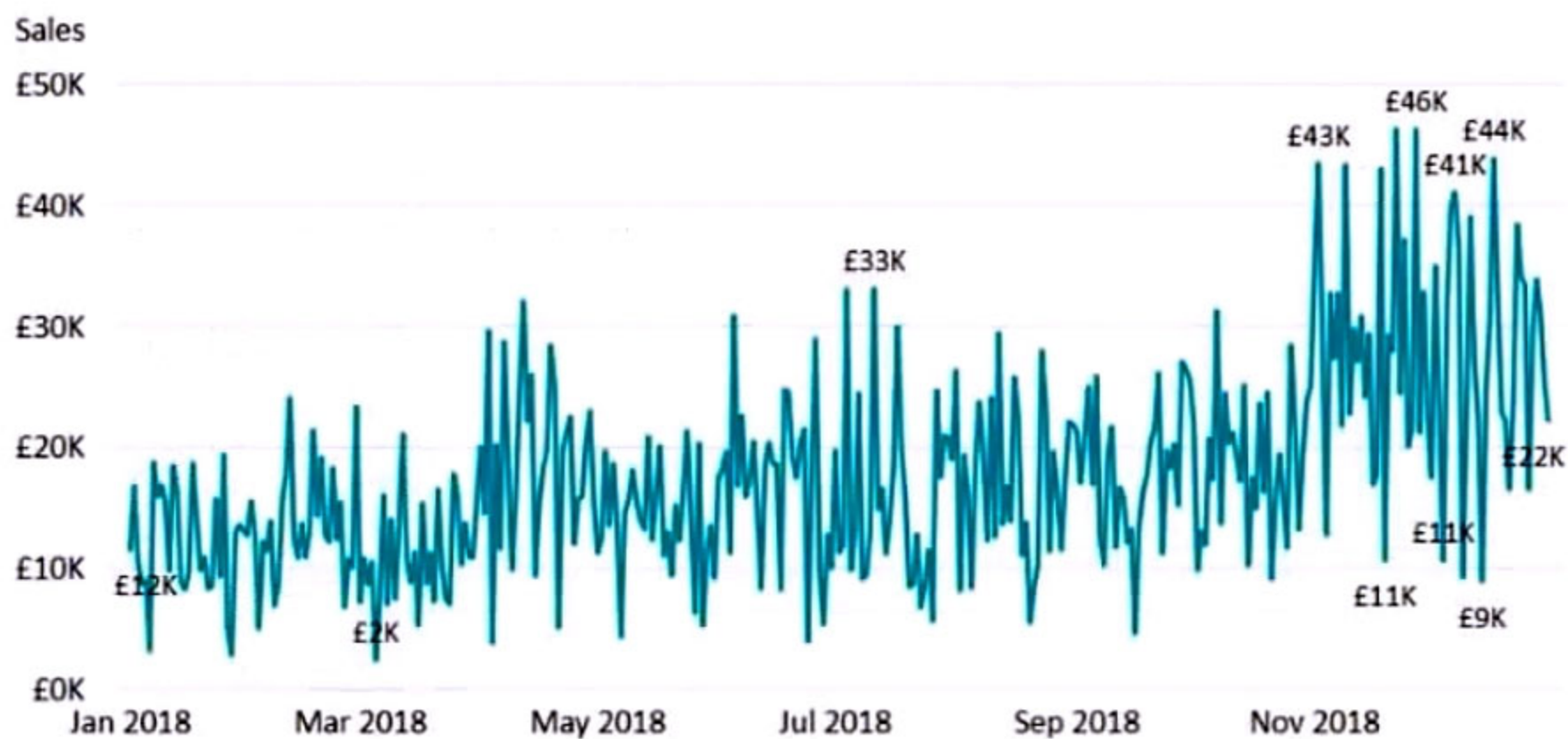
    C. Add salary to the tooltips.

Show Suggested Answer

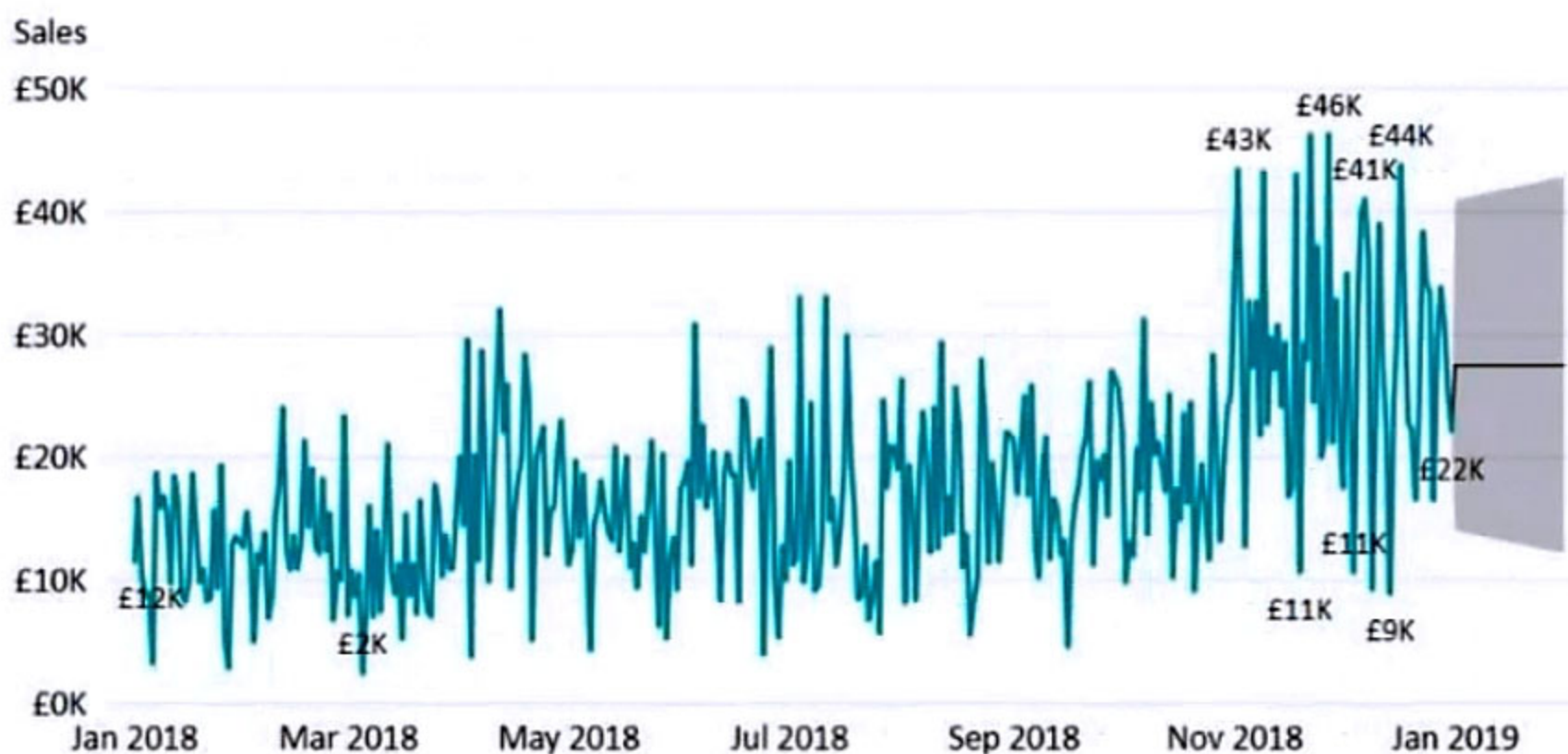Actual exam question from Microsoft's PL-300

Question #: 30

Topic #: 3

[All PL-300 Questions]

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

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

What should you add to the visual?

A. a measure

B. an Average line
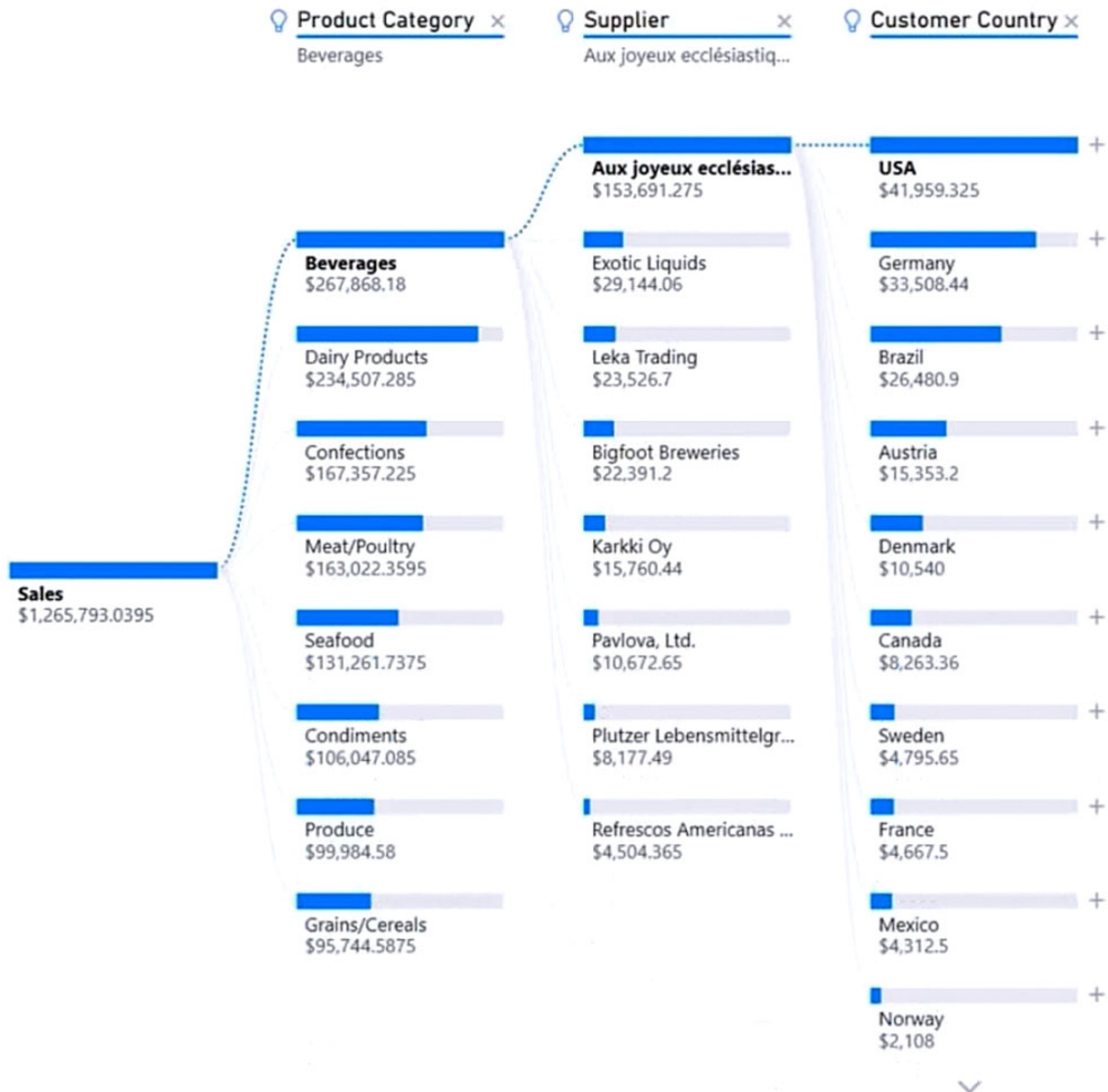
C. a trendline

D. a forecast

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 31

Topic #: 3

[All PL-300 Questions]

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

💡 Product Category ✕   💡 Supplier   ✕   💡 Customer Country ✕
Beverages   Aux joyeux ecclésiastiq...

                                                                Aux joyeux ecclésias...   USA
                                                                $153,691.275 $41,959.325

                               Beverages   Exotic Liquids   Germany
                               $267,868.18 $29,144.06 $33,508.44

                               Dairy Products   Leka Trading   Brazil
                               $234,507.285 $23,526.7 $26,480.9

                               Confections   Bigfoot Breweries   Austria
                               $167,357.225 $22,391.2 $15,353.2

                               Meat/Poultry   Karkki Oy   Denmark
                               $163,022.3595 $15,760.44 $10,540

Sales
$1,265,793.0395   Seafood   Pavlova, Ltd.   Canada
                               $131,261.7375 $10,672.65 $8,263.36

                               Condiments   Plutzer Lebensmittelgr...   Sweden
                               $106,047.085 $8,177.49 $4,795.65

                               Produce   Refrescos Americanas ...   France
                               $99,984.58 $4,504.365 $4,667.5

                               Grains/Cereals   Mexico
                               $95,744.5875 $4,312.5

                                                                                                     Norway
                                                                                                     $2,108
                                                                                                        ⌄

Which type of visual should you use?

A. smart narrative

B. decomposition tree

C. Q&A

D. key influencers

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 32

Topic #: 3

[All PL-300 Questions]

Your company has employees in 10 states.

The company recently decided to associate each state to one of the following three regions: East, West, and North.

You have a data model that contains employee information by state. The model does NOT include region information.

You have a report that shows the employees by state.

You need to view the employees by region as quickly as possible.

What should you do?

    A. Create a new aggregation that summarizes by state.

    B. Create a new aggregation that summarizes by employee.

    C. Create a new group on the state column and set the Group type to List.

    D. Create a new group on the state column and set the Group type to Bin.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 33

Topic #: 3

[All PL-300 Questions]

You have a collection of reports for the HR department of your company.

You need to create a visualization for the HR department that shows historical employee counts and predicts trends during the next six months.

Which type of visualization should you use?

    A. ribbon chart

    B. scatter chart

    C. line chart

    D. key influencers

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 34

Topic #: 3

[All PL-300 Questions]

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.)
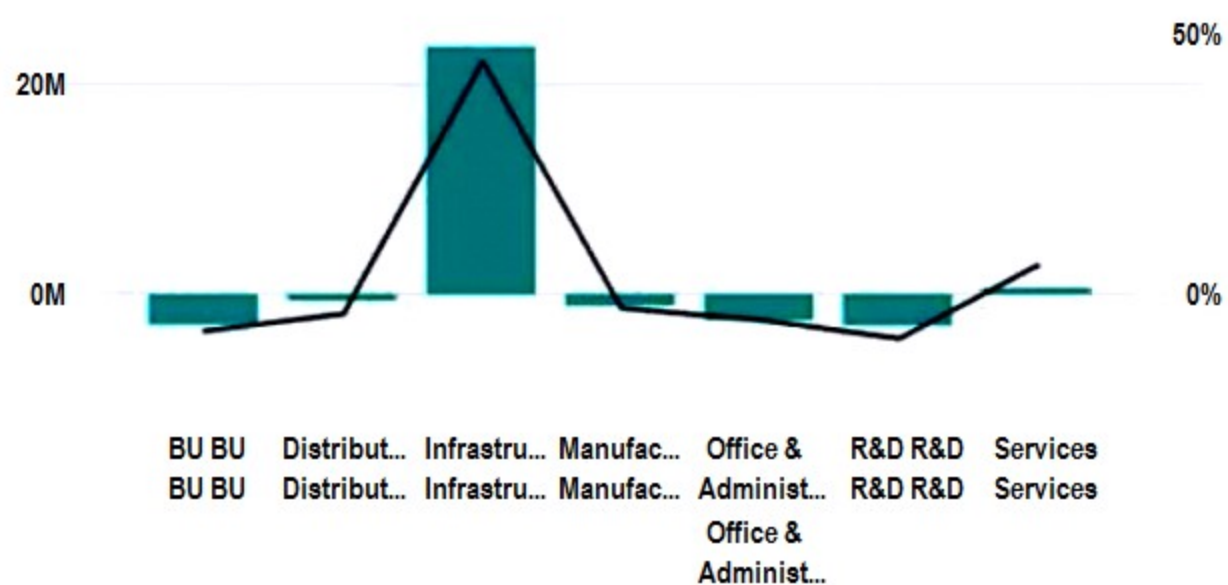
What occurred at 12:03:06 PM?

A. A new transaction was added to the data source.

B. The dashboard tile cache refreshed.

C. A user added a comment to a tile.

D. A user pressed F5.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 35

Topic #: 3

[All PL-300 Questions]

HOTSPOT -

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

⇨ Sales By Postal Code

⇨ Sales by Month

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

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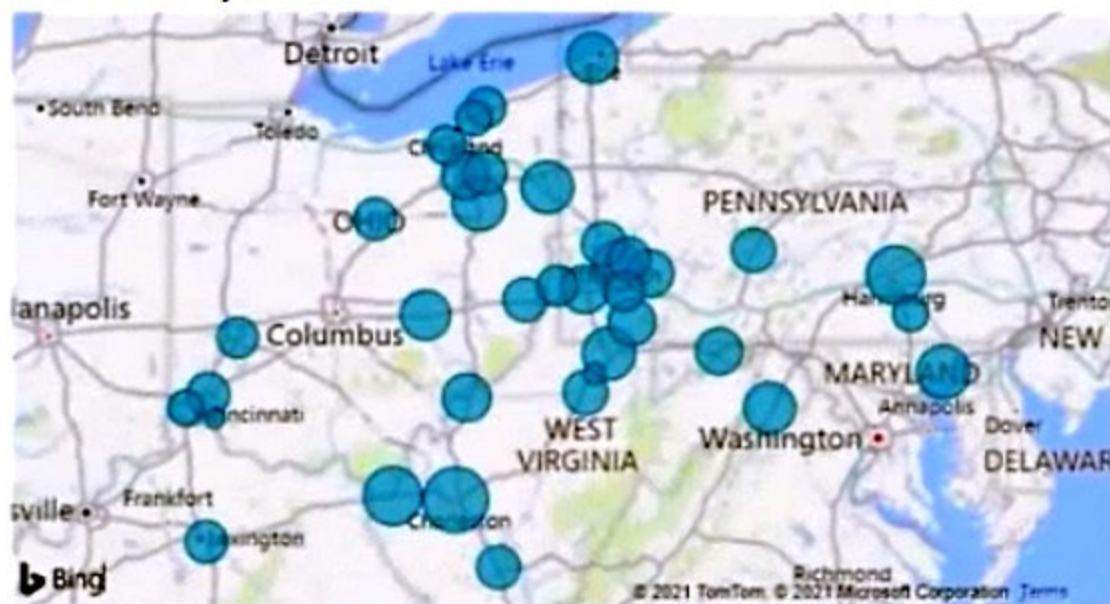
The Sales By Month view must display a column chart visual as shown in the following exhibit.

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

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Minimum number of bookmarks:
1
2
3
4

Property:
Data
Display
Current page

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 36

Topic #: 3

[All PL-300 Questions]

You have the visual shown in the exhibit. (Click the Exhibit tab.)
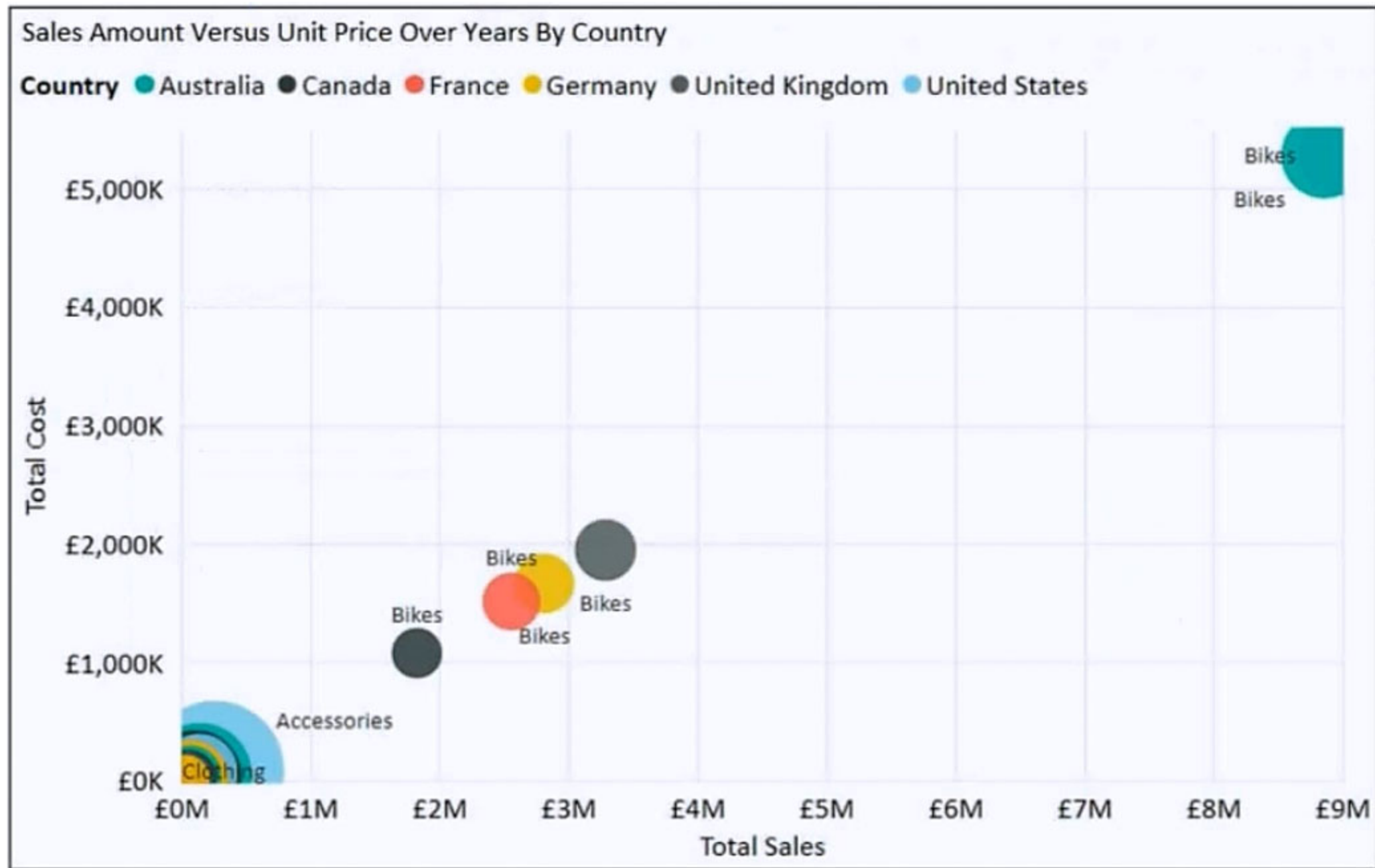
You need to show the relationship between Total Cost and Total Sales over time.

What should you do?

A. Add a play axis.

B. From the Analytics pane, add an Average line.

C. Add a slicer for the year.

D. Create a DAX measure that calculates year-over-year growth.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 37
Topic #: 3
[All PL-300 Questions]

HOTSPOT -

You have the Power BI dashboard shown in the Dashboard exhibit. (Click the Dashboard tab.)
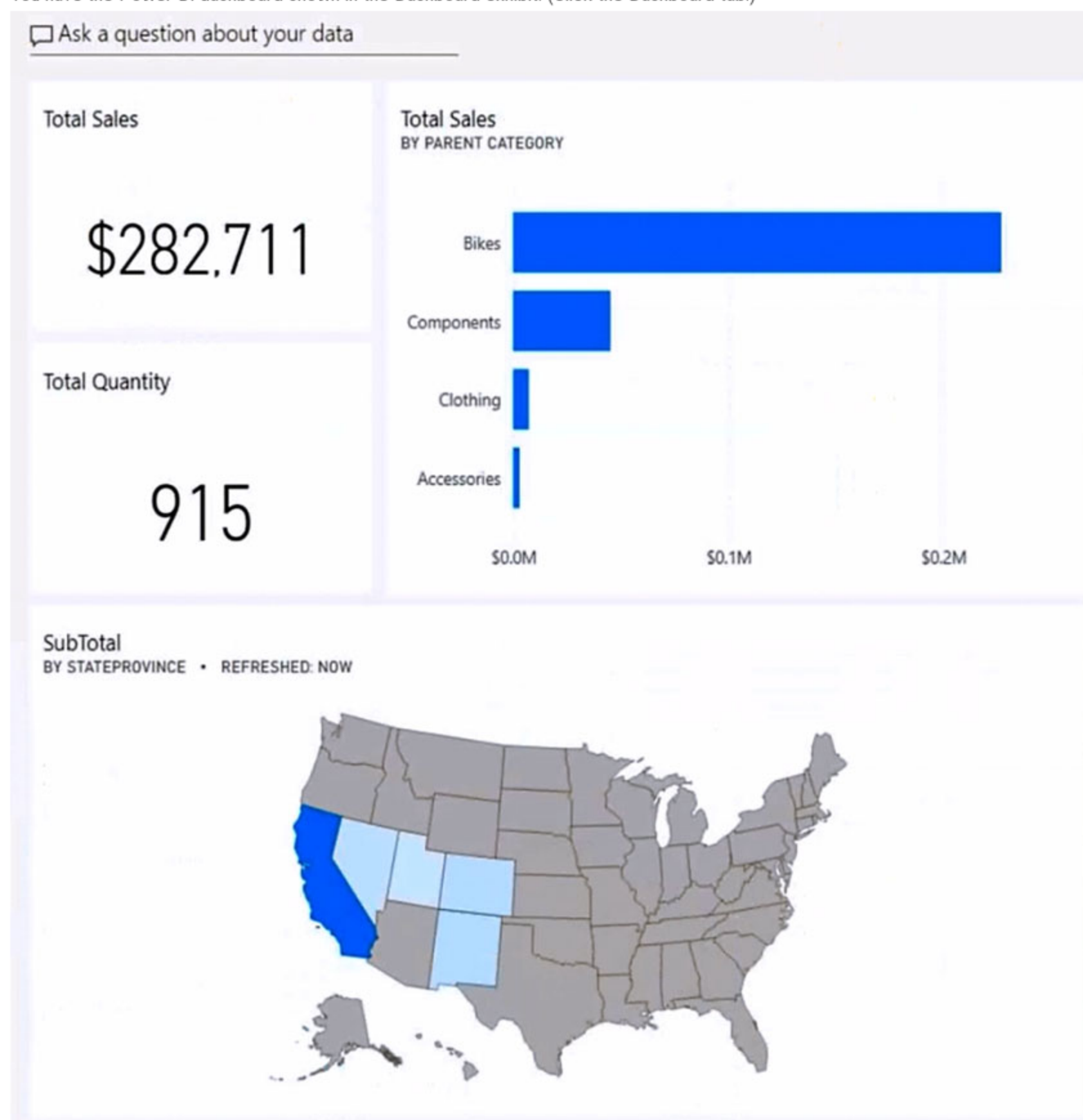
You need to ensure that when users view the dashboard on a mobile device, the dashboard appears as shown in the Mobile exhibit. (Click the Mobile tab.)
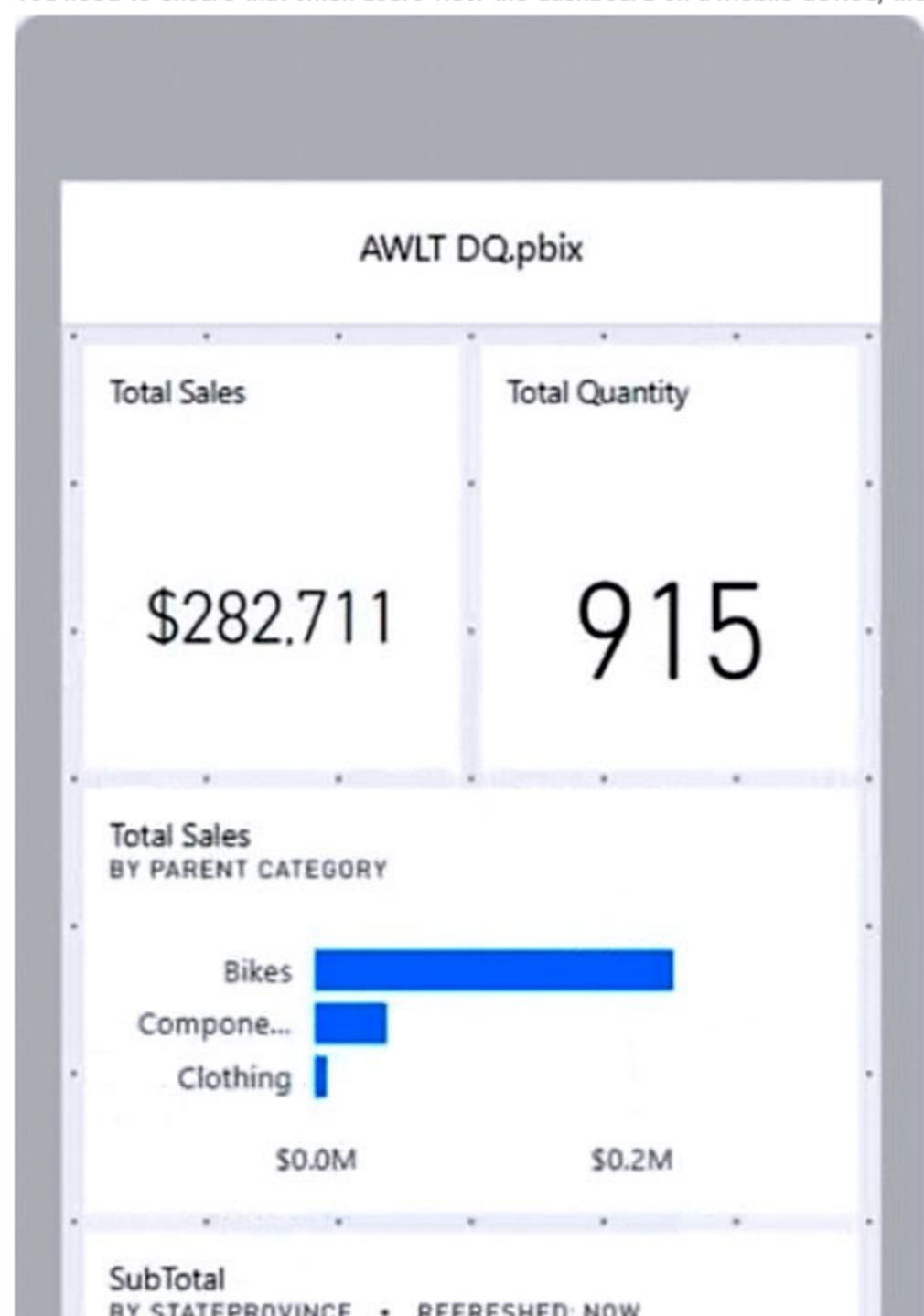
What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Update the layout in the:

Dashboard mobile layout
Dashboard web layout
Report mobile layout

Resize and move:

The SubTotal map tile
The Total Sales and Total Quantity tiles
The Total Sales by Parent Category tile

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 38

Topic #: 3

[All PL-300 Questions]

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

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 39

Topic #: 3

[All PL-300 Questions]

You have a table that contains sales data and approximately 1,000 rows.

You need to identify outliers in the table.

Which type of visualization should you use?

A. area chart

B. scatter plot

C. pie chart

D. donut chart

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 40

Topic #: 3

[All PL-300 Questions]

You have a report that contains three pages. One of the pages contains a KPI visualization.

You need to filter all the visualizations in the report except for the KPI visualization.

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

NOTE: Each correct selection is worth one point.

A. Edit the interactions of the KPI visualization.

B. Add the same slicer to each page and configure Sync slicers.

C. Edit the interactions of the slicer that is on the same page as the KPI visualization.

D. Configure a page-level filter.

E. Configure a report-level filter.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 41

Topic #: 3

[All PL-300 Questions]

HOTSPOT -

You have a Power BI visual that uses indicators to show values that are out of range as shown in the following exhibit.
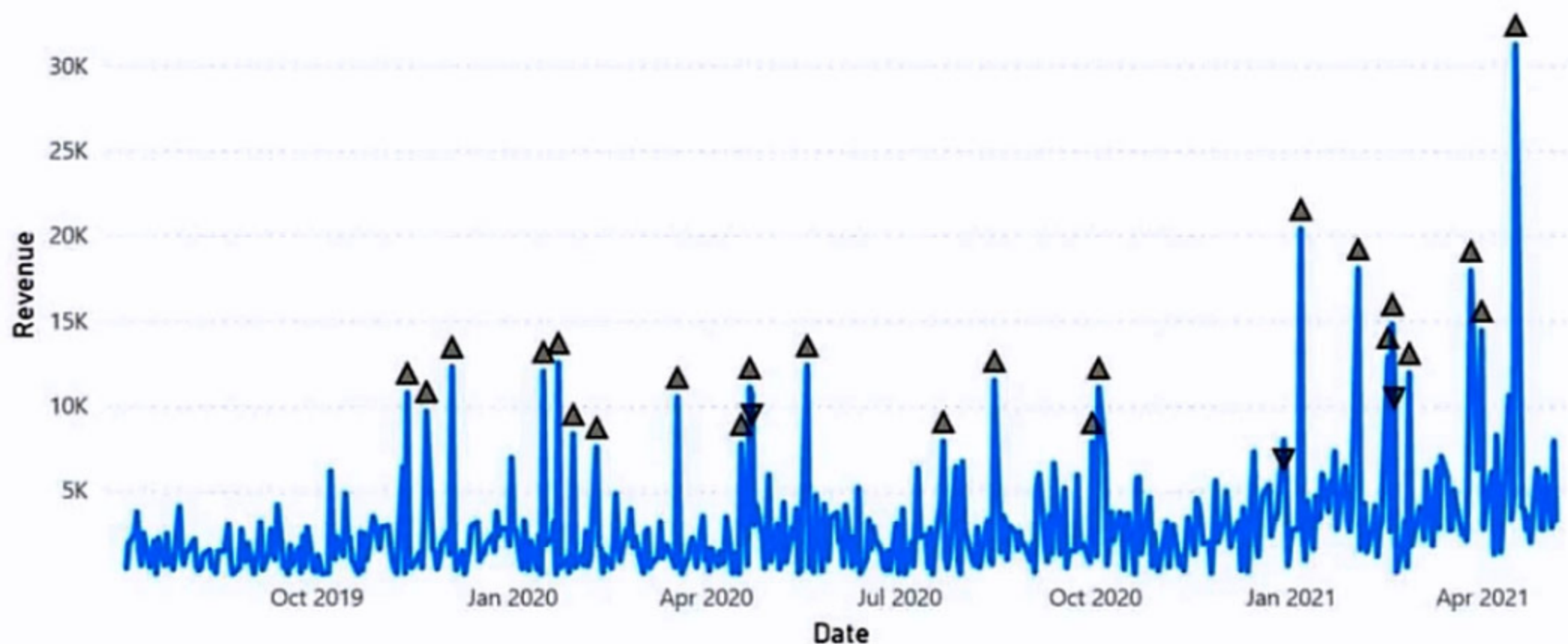
Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

The visual type is [answer choice] chart.

a line
a line and clustered column
an area

The visual indicators that show values out of range are created by using [answer choice].

a custom visual
a trendline
anomaly detection
line chart markers

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 42

Topic #: 3

[All PL-300 Questions]

You are creating a Power BI report to analyze consumer purchasing patterns from a table named Transactions. The Transactions table contains a numeric field named Spend.

You need to include a visual that identifies which fields have the greatest impact on Spend.

Which type of visual should you use?

A. Q&A

B. smart narrative

C. decomposition tree

D. key influencers

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 43

Topic #: 3

[All PL-300 Questions]

HOTSPOT -

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

Prior Year Employee Count By Month
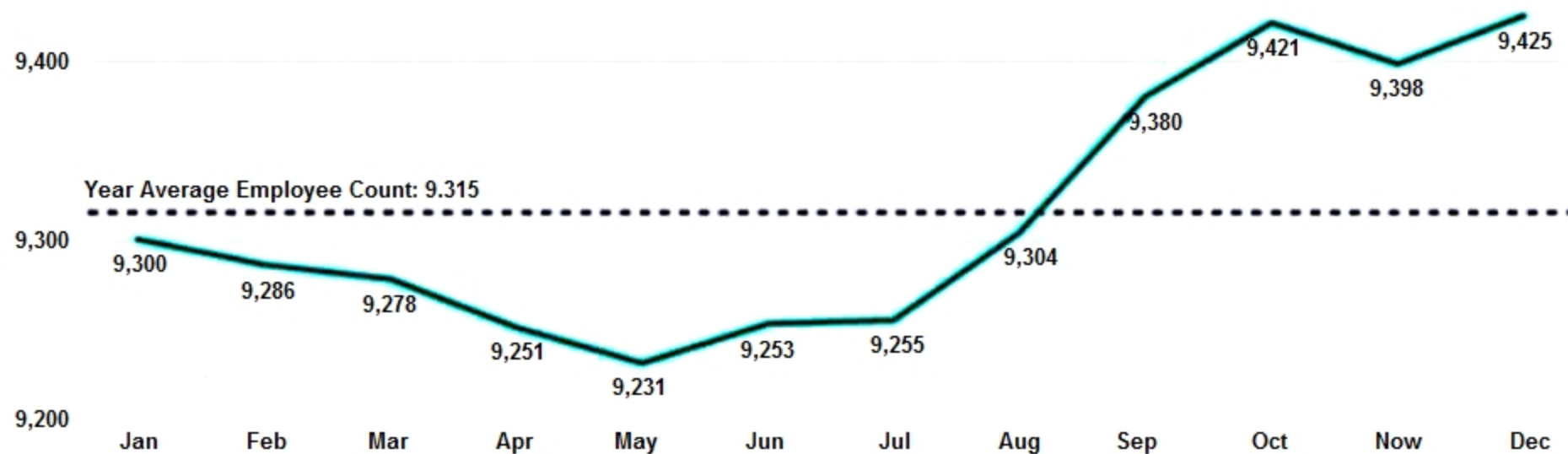
Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

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

a trend line
a secondary axis
an average reference line
two measures in the Values bucket

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

Axis
Values
Legend
Secondary values

Show Suggested Answer
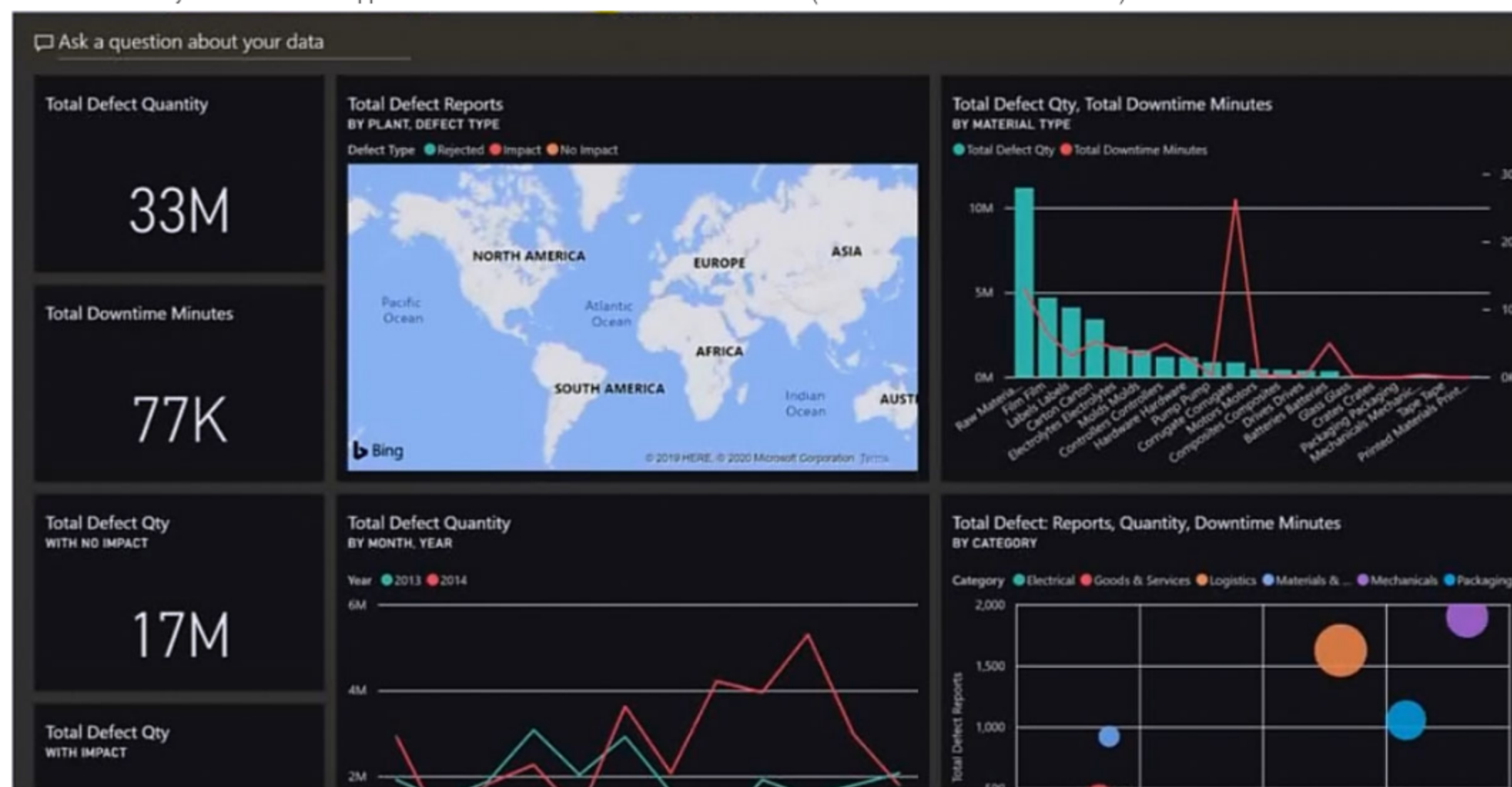
Actual exam question from Microsoft's PL-300

Question #: 44

Topic #: 3

[All PL-300 Questions]

You have a dashboard that contains tiles pinned from a single report as shown in the Original Dashboard exhibit. (Click the Original Dashboard tab.)
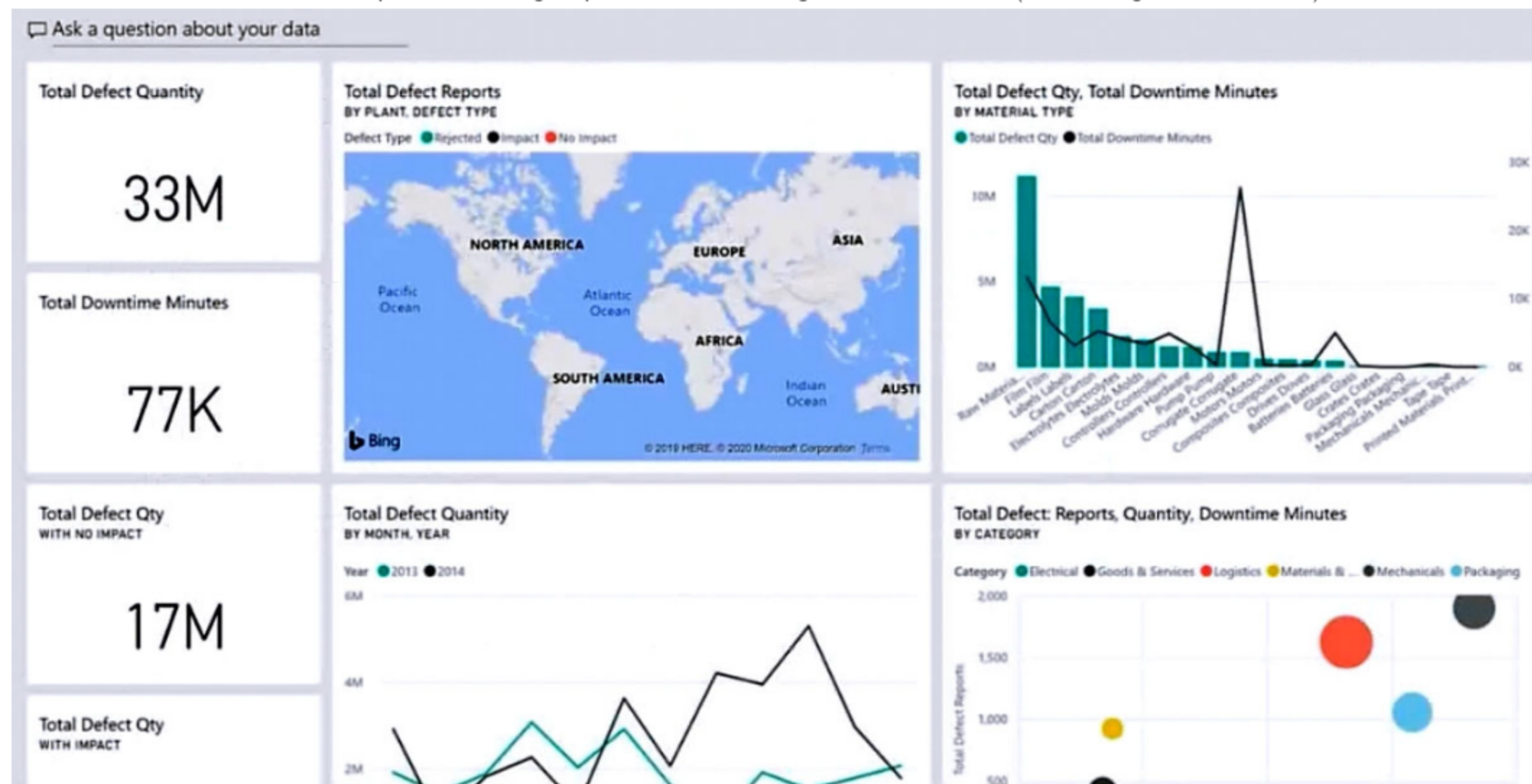
You need to modify the dashboard to appear as shown in the Modified Dashboard exhibit. (Click the Modified Dashboard tab.)

What should you do?

A. Change the report theme.

B. Change the dashboard theme.

C. Edit the details of each tile.

D. Create a custom CSS file.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 45

Topic #: 3

[All PL-300 Questions]

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

No anomalies are detected.

You need to increase the likelihood that anomaly detection will identify anomalies in the report.

What should you do?

A. Increase the Expected range transparency setting.

B. Add a data field to the Legend field well.

C. Increase the Sensitivity setting.

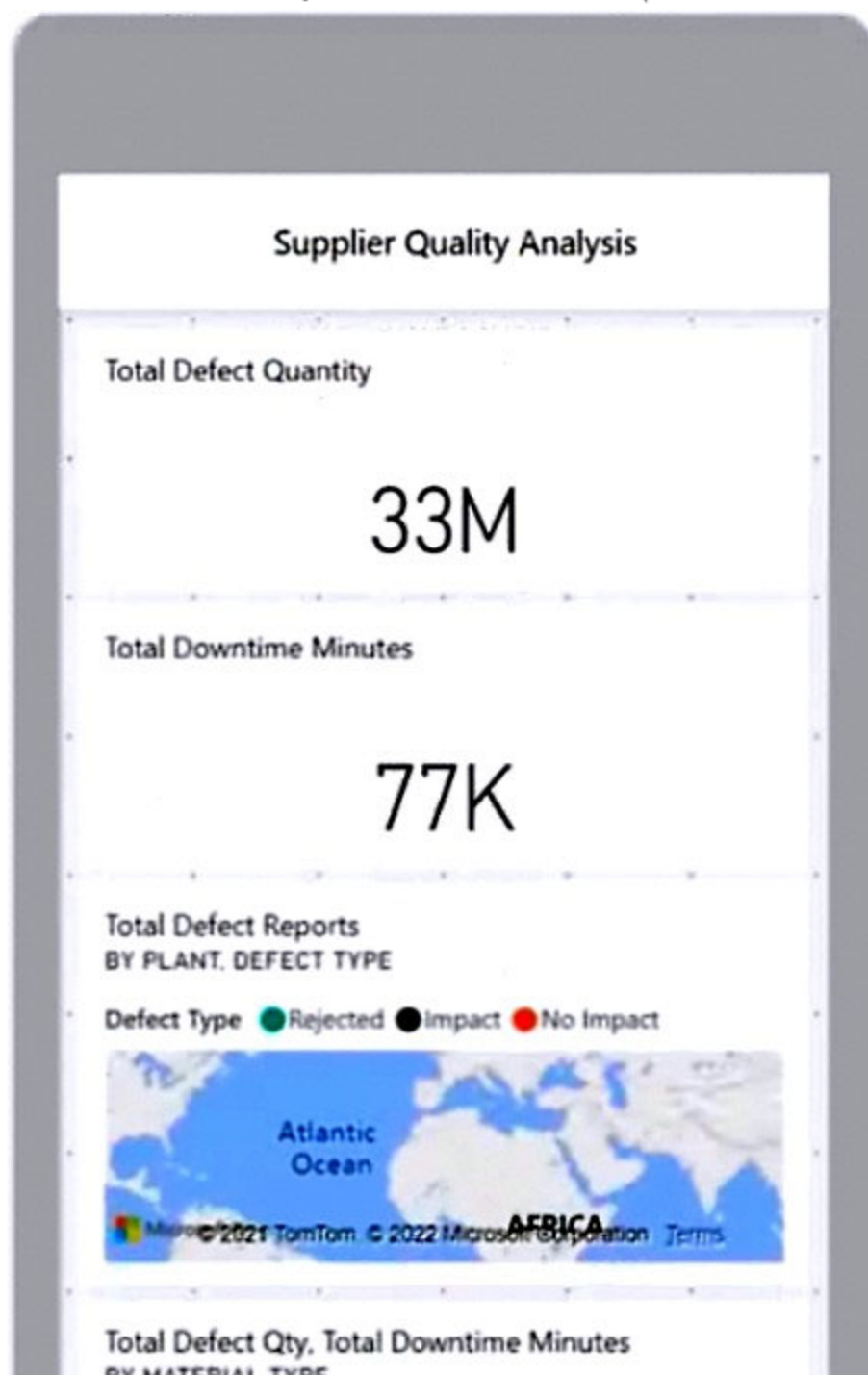D. Add a data field to the Secondary values field well.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 46

Topic #: 3

[All PL-300 Questions]

You maintain a Power BI workspace that contains a supplier quality dashboard. The dashboard contains 10 card visuals, two map visuals and five bar chart visuals. The dashboard mobile layout is shown in the exhibit. (Click the Exhibit tab.)

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

⇨ Only show single-value visuals.

⇨ Minimize scrolling.

What should you do?

A. Decrease the size of the card visuals. Remove the map and bar chart visuals.

B. Decrease the size of the map and bar chart visuals. Move all the card visuals to the top of the layout.

C. Remove the card visuals. Increase the size of the map and bar chart visuals.

D. Move the bar chart visuals to the top of the layout. Remove the map visuals. Decrease the size of the card visuals.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 47

Topic #: 3

[All PL-300 Questions]

You have a Power BI report.

You have a table named Data1 that contains 10 million rows.

Data1 is used in the following visuals:

☞ A card that shows the number of records

☞ A bar chart that shows total transaction amount by territory

☞ A scatter plot that shows transaction amount and profit amount on the axes and points colored by territory

You need to modify the scatter plot to make it easier for users to identify meaningful patterns. The solution must not affect the accuracy of the other visuals.

What should you do?

    A. Add a count field of the transaction amount to the size bucket of the scatter plot.

    B. Add a trend line to the scatter plot.

    C. Enable high-density sampling on the scatter plot.

    D. Apply a row filter to the Data1 query in Power Query Editor.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 48

Topic #: 3

[All PL-300 Questions]

You have a Power BI workspace named Inventory that contains a dataset, a report, and a dashboard.

You need to add an additional tile to the dashboard. The tile must show inventory by location. This information is NOT visualized in the report. The solution must minimize the impact on the report.

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

NOTE: Each correct selection is worth one point.

    A. Ask a question by using Q&A.

    B. Hide the report page.

    C. Pin the visual to the dashboard.

    D. Use quick insights on the dashboard.

    E. Add the visual to the report.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 49

Topic #: 3

[All PL-300 Questions]

HOTSPOT -

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

☞ Item

☞ 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.

Hot Area:

Answer Area

Visualization:

A column chart of Quantity Ordered and Unit Price by year
A line chart of Quantity Ordered and Unit Price by item
A scatter plot of Quantity Ordered and Unit Price by item

Feature:

Automatically find clusters
Explain the decrease
Find where the distribution is different

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 50

Topic #: 3

[All PL-300 Questions]

You have a Power BI report that contains three pages named Page1, Page2, and Page3. All the pages have the same slicers.

You need to ensure that all the filters applied to Page1 apply to Page1 and Page3 only.

What should you do?

    A. On each page, modify the interactions of the slicer.

    B. Enable visibility of the slicers on Page1 and Page3. Disable visibility of the slicer on Page2.

    C. Sync the slicers on Page1 and Page3.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 51

Topic #: 3

[All PL-300 Questions]

You have a Power BI report that contains five pages.

Pages 1 to 4 are visible and page 5 is hidden.

You need to create a solution that will enable users to quickly navigate from the first page to all the other visible pages. The solution must minimize development and maintenance effort as pages are added to the report.

What should you do first?

- A. Add a blank button to page 1.

- B. Add a page navigation button to page 1.

- C. Create a bookmark for each page.

- D. Add a bookmark navigation button to page 1.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 52

Topic #: 3

[All PL-300 Questions]

You build a Power BI report that displays IoT temperature data streaming from a refrigerator.

You publish the report to the Power BI service.

You need to be notified when the temperature rises above four degrees Celsius.

What should you do?

    A. Set an alert on a KPI visual in the report.

    B. Pin a card visual to a dashboard and create a subscription.

    C. Pin a card visual to a dashboard and set an alert on the tile.

    D. Pin a report page to a dashboard and set an alert on the page.

Show Suggested Answer

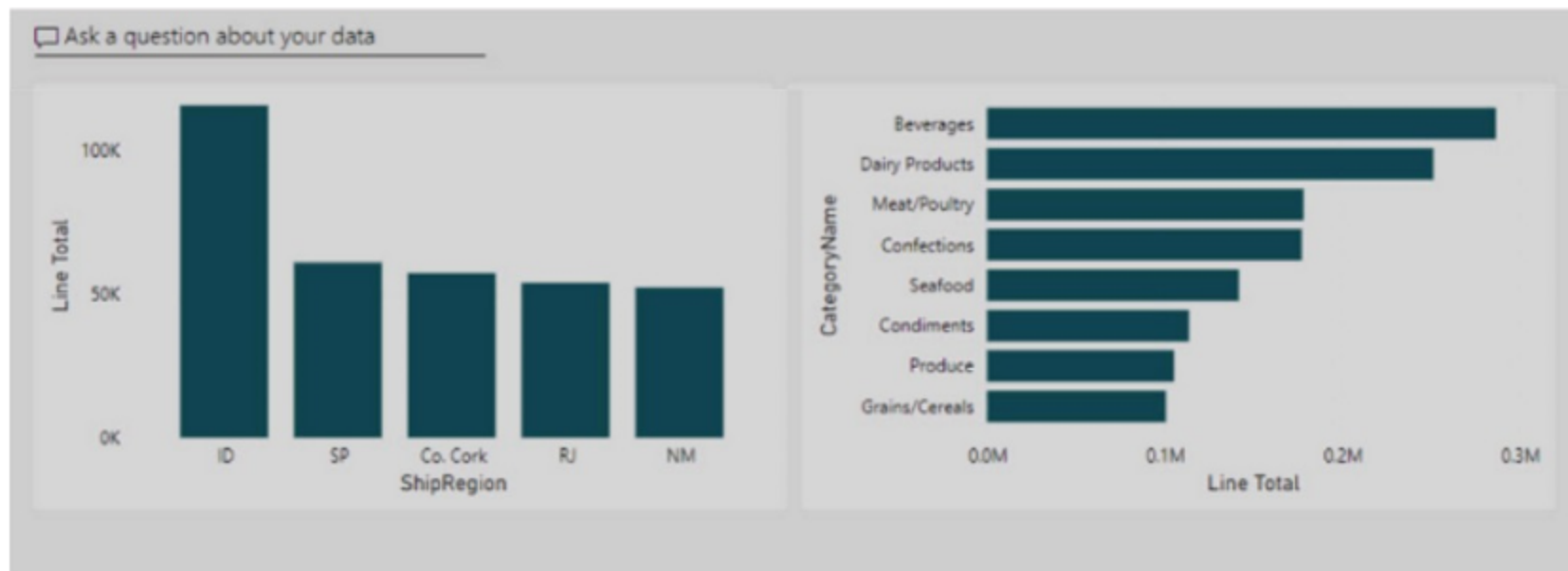Actual exam question from Microsoft's PL-300

Question #: 53

Topic #: 3

[All PL-300 Questions]

You have the dashboard shown in the following exhibit.

You need to modify the dashboard to display as shown in the following exhibit.

What should you do?

    A. Create and apply a custom dashboard theme.

    B. Change the colors of the visuals in the report.

    C. Apply the Dark dashboard theme.

    D. Upload a snapshot image of the dashboard.

Show Suggested Answer

Actual exam question from Microsoft's PL-300

Question #: 54

Topic #: 3

[All PL-300 Questions]

You need to create a Power BI theme that will be used in multiple reports. The theme will include corporate branding for font size, color, and bar chart formatting.

What should you do?

- A. From Power BI Desktop, customize the current theme.

- B. From Power BI Desktop, use a built-in report theme.

- C. Create a theme as a PBIVIZ file and import the theme into Power BI Desktop.

- D. Create a theme as a JSON file and import the theme into Power BI Desktop.

Show Suggested Answer