



# Microsoft

## Exam Questions PL-300

Microsoft Power BI Data Analyst

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### NEW QUESTION 1

- (Topic 1)

You need to create relationships to meet the reporting requirements of the customer service department.

What should you create?

- A. an additional date table named ShipDate, a one-to-many relationship from Sales[sales\_date\_id] to Date[date\_id], and a one-to-many relationship from Sales[sales\_ship\_date\_id] to ShipDate[date\_id]
- B. an additional date table named ShipDate, a many-to-many relationship from Sales[sales\_date\_id] to Date[date\_id], and a many-to-many relationship from Sales[sales\_ship\_date\_id] to ShipDate[date\_id]
- C. a one-to-many relationship from Date[date\_id] to Sales[sales\_date\_id] and another one- to-many relationship from Date[date\_id] to Weekly\_Returns[week\_id]
- D. a one-to-many relationship from Sales[sales\_date\_id] to Date[date\_id] and a one-to- manyrelationship from Sales[sales\_ship\_date\_id] to Date[date\_id]
- E. a one-to-many relationship from Date[date\_id] to Sales[sales\_date\_id] and another one- to-many relationship from Date[date\_id] to Sales[sales\_ship\_date\_id]

**Answer:** A

#### Explanation:

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

Reference:

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

### NEW QUESTION 2

- (Topic 1)

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

- A. Create a security role that has a table filter on the Sales\_Manager table where username = UserName()
- B. Create a security role that has a table filter on the Region\_Manager table where sales\_manager\_id = UserPrincipalName().
- C. Create a security role that has a table filter on the Sales\_Manager table where name = UserName().
- D. Create a security role that has a table filter on the Sales\_Manager table where username = sales\_manager\_id.

**Answer:** A

#### Explanation:

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

### NEW QUESTION 3

- (Topic 1)

You need to create a relationship between the Weekly\_Returns table and the Date table to meet the reporting requirements of the regional managers. What should you do?

- A. In the Weekly.Returns table, create a new calculated column named date-id in a format of yyyyymmdd and use the calculated column to create a relationship to the Date table.
- B. Add the Weekly\_Returns data to the Sales table by using related DAX functions.
- C. Create a new table based on the Date table where date-id is unique, and then create a many-to-many relationship to Weekly\_Return.

**Answer:** A

#### Explanation:

Scenario: Region managers require a visual to analyze weekly sales and returns. To relate the two tables we need a common column.

### NEW QUESTION 4

- (Topic 1)

You need to get data from the Microsoft SQL Server tables. What should you use to configure the connection'

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

**Answer:** B

### NEW QUESTION 5

HOTSPOT - (Topic 1)

You publish the dataset to powerbi.com.

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

NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
You need an on-premises data gateway to refresh the dataset.	<input type="radio"/>	<input type="radio"/>
You need to configure a scheduled refresh of the dataset.	<input type="radio"/>	<input type="radio"/>
You can use Basic authentication on the dataset to connect to the data.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
You need an on-premises data gateway to refresh the dataset.	<input checked="" type="radio"/>	<input type="radio"/>
You need to configure a scheduled refresh of the dataset.	<input checked="" type="radio"/>	<input type="radio"/>
You can use Basic authentication on the dataset to connect to the data.	<input type="radio"/>	<input checked="" type="radio"/>

NEW QUESTION 6

- (Topic 2)

You need to ensure that the data is updated to meet the report requirements. The solution must minimize configuration effort. What should you do?

- A. From each report in powerbi.co
- B. select Refresh visuals
- C. From Power BI Desktop, download the PBIX file and refresh the data.
- D. Configure a scheduled refresh without using an on-premises data gateway.
- E. Configure a scheduled refresh by using an on-premises data gateway

Answer: C

NEW QUESTION 7

HOTSPOT - (Topic 2)

You need to calculate the last day of the month in the balance sheet data to ensure that you can relate the balance sheet data to the Date table. Which type of calculation and which formula should you use? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

Type of calculation:

A DAX calculated column

A DAX calculated measure

An M custom column

Formula:

Date.EndOfMonth(#date([Year], [Month], 1))

Date.EndOfQuarter(#date([Year], [Month], 1))

ENDOFQUARTER(DATE('BalanceSheet'[Year],BalanceSheet[Month],1),0)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: A DAX Calculated measure  
Box 2: Date.EndofQuarter(#date([Year],[Mont],1))  
ENDOFQUARTER returns the last date of the quarter in the current context for the specified column of dates. The following sample formula creates a measure that returns the end of the quarter, for the current context.  
= ENDOFQUARTER(DateTime[DateKey])

NEW QUESTION 8

DRAG DROP - (Topic 2)

You need to create a DAX measure in the data model that only allows users to see projections at the appropriate levels of granularity. How should you complete the measure? 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.

Values

AND

IF

ISFILTERED

KEEPFILTERS

SUM

SUMX

Answer Area

Total Projected Revenue =

Value

 (

NOT (

Value

 ( 'Date'[Date] ) ),

Value

 ( Projection[Revenue Projection] )

)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Scenario: Revenue projections are set at the monthly level and summed to show projections for the quarter.

Box 1: IF

Box 2: ISFILTERED

ISFILTERED returns TRUE when columnName is being filtered directly. If there is no filter on the column or if the filtering happens because a different column in the same table or in

a related table is being filtered then the function returns FALSE. Box 3: SUM

**NEW QUESTION 9**

HOTSPOT - (Topic 2)

How should you distribute the reports to the board? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Grant access by:

	▼
Sharing individual reports	
Using a workspace membership	
Using an app	

Grant access to:

	▼
A dynamic distribution list	
A mail-enabled security group	
Individual user emails	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Using a workspace membership Scenario:

The company wants to provide a single package of reports to the board that contains custom navigation and links to supplementary information.

Note: Workspace is a shared environment for a group of people. You can have multiple Power BI content in a workspace. One workspace can have hundreds of dashboards, reports, and datasets in it.

Box 2: A mail-enabled security group Scenario: Security Requirements

The reports must be made available to the board from powerbi.com. A mail-enabled security group will be used to share information with the board.

**NEW QUESTION 10**

- (Topic 2)

You need to create the relationship between the product list and the revenue results. The solution must minimize the time it takes to render visuals.

What should you set as the relationship cardinality?

- A. One to one
- B. Many to one
- C. One to many
- D. Many to many

**Answer:** C

**NEW QUESTION 10**

- (Topic 2)

Which two types of visualizations can be used in the balance sheet reports to meet the reporting goals? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. a line chart that shows balances by quarter filtered to account categories that are long- term liabilities.
- B. a clustered column chart that shows balances by date (x-axis) and account category (legend) without filters.
- C. a clustered column chart that shows balances by quarter filtered to account categories that are long-term liabilities.
- D. a pie chart that shows balances by account category without filters.
- E. a ribbon chart that shows balances by quarter and accounts in the legend.

**Answer:** AE

**Explanation:**

<https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-types-for-reports-and-q-and-a>

**NEW QUESTION 11**

- (Topic 3)

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

- A. From Power Query, use a DAX expression to add columns to the Orders table to calculate the calendar quarter of the OrderDate column, the calendar month of

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

**Answer:** B

**Explanation:**

Use Power Query to calculate calendar quarter and calendar month.

Scenario:

? A single dataset must support all three reports:

- The Top Customers report will show the top 20 customers based on the highest sales amounts in a selected order month or quarter, product category, and sales region.

- The Top Products report will show the top 20 products based on the highest sales amounts sold in a selected order month or quarter, sales region, and product category.

? The data model must minimize the size of the dataset as much as possible, while meeting the report requirements and the technical requirements.

**NEW QUESTION 16**

HOTSPOT - (Topic 3)

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

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

NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
A relationship must be created between the CustomerID column in the Customer Details worksheet and the CustomerID column in the Orders table.	<input type="radio"/>	<input type="radio"/>
The Data Type of the columns in the relationship between the Customer Details worksheet and the Orders table must be set to <b>Text</b> .	<input type="radio"/>	<input type="radio"/>
The Region field used to filter the Top Customers report must come from the Orders table.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

Statements	Yes	No
A relationship must be created between the CustomerID column in the Customer Details worksheet and the CustomerID column in the Orders table.	<input checked="" type="radio"/>	<input type="radio"/>
The Data Type of the columns in the relationship between the Customer Details worksheet and the Orders table must be set to <b>Text</b> .	<input type="radio"/>	<input checked="" type="radio"/>
The Region field used to filter the Top Customers report must come from the Orders table.	<input checked="" type="radio"/>	<input type="radio"/>

**NEW QUESTION 18**

- (Topic 3)

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

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

**Answer:** B

**NEW QUESTION 22**

- (Topic 3)

You need to create the dataset. Which dataset mode should you use?

- A. DirectQuery
- B. Import
- C. Live connection
- D. Composite

**Answer:** D

**Explanation:**

Composite Model means now you can have a model, that very large tables of that are coming from the DirectQuery connection, without the need for importing, and small tables to be imported to be accessible quickly.

**NEW QUESTION 26**

FILL IN THE BLANK - (Topic 4)



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 Sates 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.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:  
Answer as selected.

Answer Area

Measure =

TOTALYTD (

[Total Sales],

Date[Date]

)

NEW QUESTION 29

HOTSPOT - (Topic 4)  
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.  
You need to ensure that you can analyze sales by product category.  
How should you configure the relationships from Products to ProductCategory? To answer, select the appropriate options in the answer area.  
NOTE: Each correct selection is worth one point.

Cardinality: 

▼

One-to-many

One-to-one

Many-to-many

Cross-filter direction: 

▼

Single

Both

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:  
Box 1: One-to-many  
Box 2: Both  
For One-to-many relationships, the cross filter direction is always from the "one" side, and optionally from the "many" side (bi-directional).  
Note:

Cardinality type	Cross filter options
One-to-many (or Many-to-one)	Single Both
One-to-one	Both
Many-to-many	Single (Table1 to Table2) Single (Table2 to Table1) Both

### NEW QUESTION 33

- (Topic 4)

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

**Answer: A**

### NEW QUESTION 34

- (Topic 4)

You have a Power BI model that contains two tables named Population and Date.

The Population table contains two columns named Population Amount and Date Key.

DateKey contains date values that represent the first day of a year and are used to create a many-to

The Power BI model contains two measures that have the following definitions. Total Population = Sum ('Population'[Population Amount])

2023 Population = CALCULATE ([Total Population]"Date'[Year] = 2023) You create a table visual that displays Date[Year] and [2023 Population]. What will the table visual show?

- A. one row per year that contains blank values for every year except 2023
- B. one row per date that contains the population value for the corresponding year repeated in each row
- C. a single row for the year 2023 that contains the related population value
- D. one row per year that contains the same value repeated for each year

**Answer: C**

### NEW QUESTION 37

- (Topic 4)

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 employee.
- B. Create a new group on the state column and set the Group type to List.
- C. Create a new group on the state column and set the Group type to Bin.
- D. Create a new aggregation that summarizes by state.

**Answer: B**

**Explanation:**

<https://www.mssqltips.com/sqlservertip/4720/binning-and-grouping-data-with- power-bi/>

### NEW QUESTION 40

FILL IN THE BLANK - (Topic 4)

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 m the answer area NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Answer as selected



Answer Area

Update the layout in the: Report mobile layout

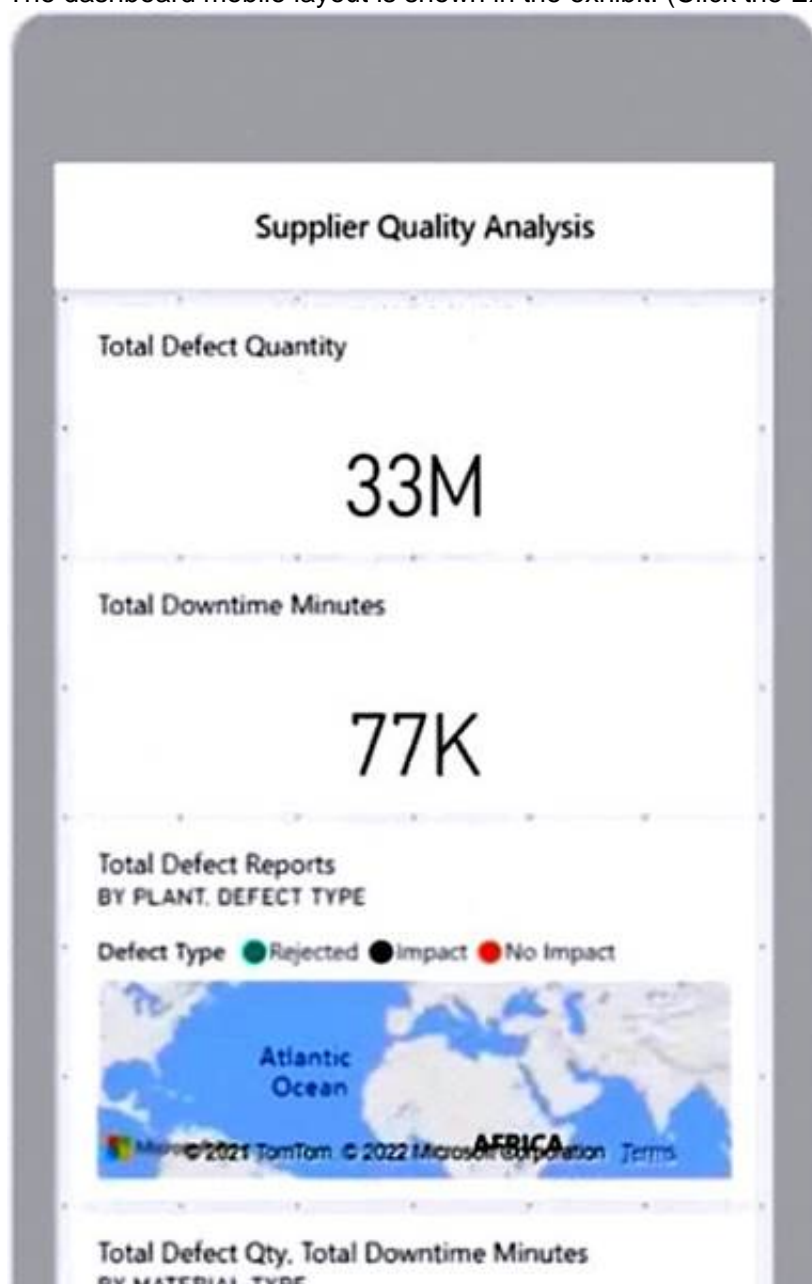
Resize and move: The Total Sales by Parent Category tile

### NEW QUESTION 43

- (Topic 4)

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?

- Remove the card visual, increase the size of the map and bar chart visuals
- Decrease the size of the map and bar chart visuals Move all the card visuals to the top of the layout.
- Move the bar chart visuals to the top of the layout Remove the map visual
- Decrease the size of the card visuals.
- Decrease the size of the card visual
- Remove the map and bar chart visuals.

**Answer: D**

### NEW QUESTION 48

- (Topic 4)

You build a Power BI report that displays 10T temperature data streaming from a refrigerator.

You publish the report to the BI service.

You need to be notified when the temperature rises above four degrees Celsius. What should you do?

- Pin a report page to a dashboard and set an alert on the page.
- Set an alert on a KPI visual in the report.
- Pin a card visual to a dashboard and set an alert on the tile.
- Pin a card visual to a dashboard and create a subscription.

**Answer: A**

#### NEW QUESTION 49

- (Topic 4)

You have more than 100 published datasets.

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

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

What should you do?

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

**Answer: D**

#### NEW QUESTION 54

- (Topic 4)

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. key influences
- B. ribbon chart
- C. line chart
- D. scatter chart

**Answer: C**

#### NEW QUESTION 57

- (Topic 4)

You have a Power Bi model mat contains a table named Date. The Date table contains the following columns:

- Date
- Fiscal year
- Fiscal Quartet
- Month Name
- Calendar Year
- Week Number
- Month Number
- Calendar Quarter

You need to create a calculated table based on the Date table. The calculated tab\*e must contain only unique combinations of values for Calendar Year. Calendar Quarter and Calendar Month. Which DAX function should you include in the table deflation?

- A. DATATABLE
- B. ADDCOLUMNS
- C. SUMMARIZE
- D. CALCULATE

**Answer: C**

#### NEW QUESTION 60

DRAG DROP - (Topic 4)

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

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

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

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

- A. Mastered
- B. Not Mastered

**Answer: A**

#### Explanation:

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

NEW QUESTION 61

DRAG DROP - (Topic 4)

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

You perform an initial load of the data from a Microsoft Excel source as shown in the following exhibit.

	Column1	Column2	Column3	Column4	Column5	Column6
	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.

Actions

Select Use Headers as First Row.

Select Department and Product and Unpivot Other Columns.

Select Use First Rows as Headers.

Rename the third column as Year and the fourth column as Revenue.

Select Department and Product and Unpivot Columns.

Rename the third column as Revenue and the fourth column as Year.

Answer Area

>

<

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Select Use Header as First Row.

Step 2: Select Department and Product and Unpivot Other Columns

Unpivot Other Columns: This command unpivots unselected columns. Use this command in a query when not all columns are known. New columns added during a refresh operation are also unpivoted.

Step 3: Rename the Attribute column to Year and the Value column to Revenue.

You might want to unpivot data, sometimes called flattening the data, to put it in a matrix format so that all similar values are in one column. This is necessary, for example, to create a chart or a report.

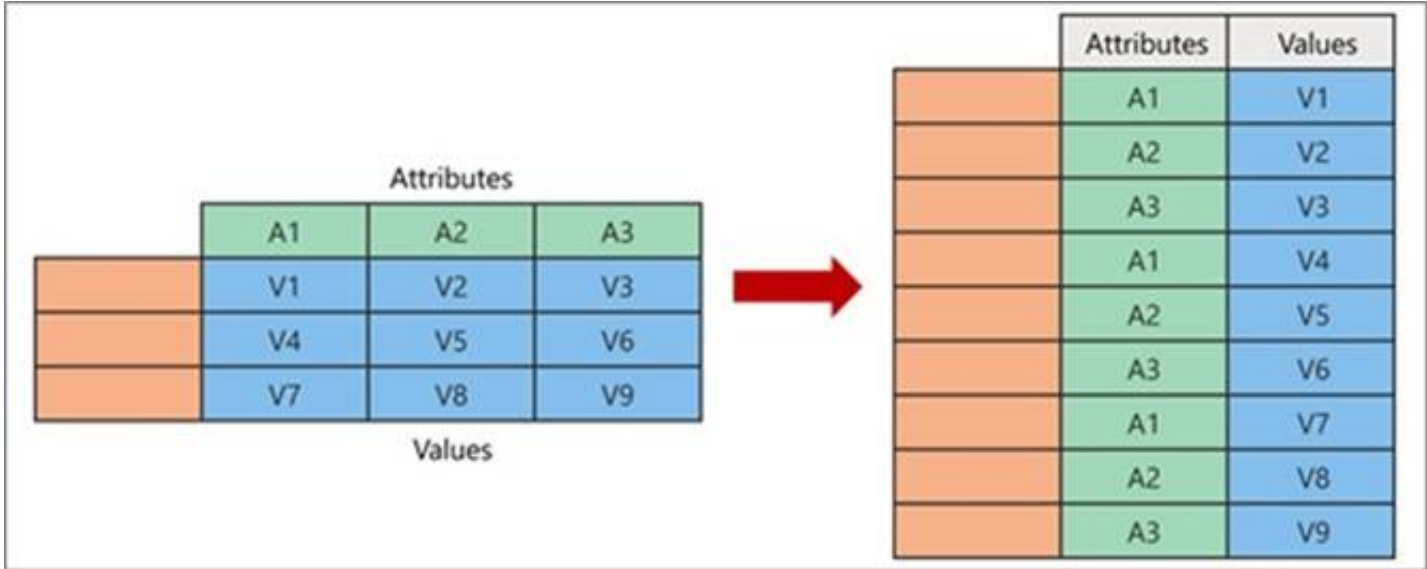


Chart Description automatically generated with medium confidence

When you unpivot, you unpack the attribute-value pairs that represent an intersection point of the new columns and re-orient them into flattened columns:

Values (in blue on the left) are unpivoted into a new column (in blue on the right). Attributes (in green on the left) are unpivoted into a new column (in green on the right) and

duplicates are correspondingly mapped to the new Values column.

NEW QUESTION 64

- (Topic 4)

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

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

You have a Power BI 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; You create measures that use the USERELATIONSHIP DAX function to filter sales on the inactive relationships between the sales table and the date table.

Does this meet the goal?

- A. Yes
- B. No

Answer: B

NEW QUESTION 69

- (Topic 4)  
You have a large dataset that contains more than 1 million rows. The table has a datetime column named Date.  
You need to reduce the size of the data model. What should you do?

- A. Round the hour of the Date column to startOfHour.
- B. Change the data type of the Date column to Text.
- C. Trim the Date column.
- D. Split the Date column into two columns, one that contains only the time and another that contains only the date.

Answer: D

Explanation:

We have to separate date & time tables. Also, we don't need to put the time into the date table, because the time is repeated every day.  
Split your DateTime column into a separate date & time columns in fact table, so that you can join the date to the date table & the time to the time table. The time need to be converted to the nearest round minute or second so that every time in your data corresponds to a row in your time table.  
Reference:  
<https://intellipaat.com/community/6461/how-to-include-time-in-date-hierarchy-in-power-bi>

NEW QUESTION 70

DRAG DROP - (Topic 4)  
Exhibit:

Month	Year	Sales	Profit
9	Sep	9	552
10	Oct	10	7838
11	Nov	11	83544
12	Dec	12	32455

You need to create a report that meets the 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?

Actions

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

Select the 2019, 2020, and 2021 columns.

Select **Transpose**.

Select the Month and MonthNumber columns.

Select **Unpivot other columns**.

Answer Area

1

2

3

(

(

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

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

Select the 2019, 2020, and 2021 columns.

Select **Transpose**.

Select the Month and MonthNumber columns.

Select **Unpivot other columns**.

Answer Area

1

2

3

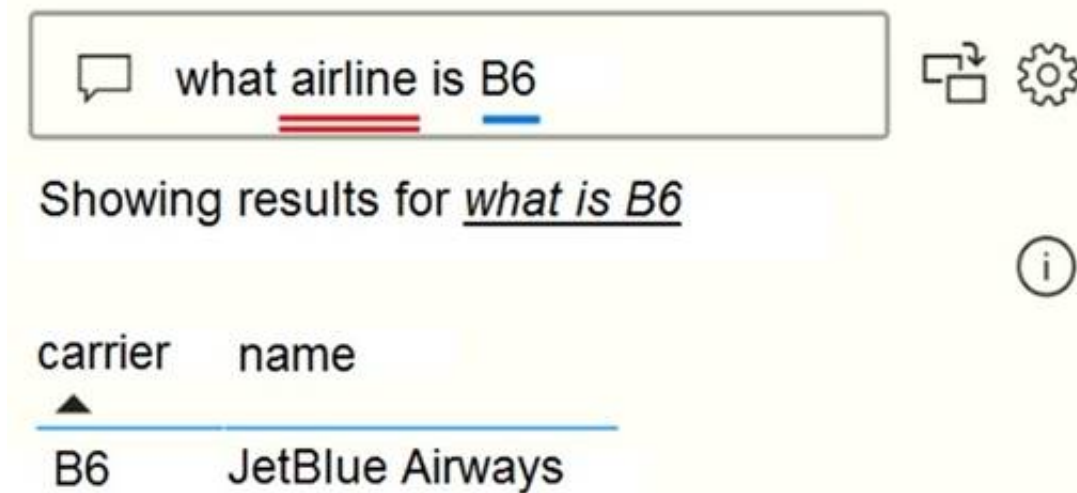
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NEW QUESTION 74

- (Topic 4)  
You have a Q&A visual that displays information from a table named Carriers as shown in the following exhibit.





You need to ensure that users can ask questions by using the term airline or carrier. The solution must minimize changes to the data model. What should you do?

- A. Add a duplicate query named Airline.
- B. Add airline as a synonym of carrier.
- C. Rename the carrier column as airline in the Carriers query.
- D. Rename the query from Carriers to airlines.

**Answer: B**

**Explanation:**

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

This step can be important. Even with straightforward table and column names, users of Q&A ask questions using the vocabulary that first comes to them. They're not choosing

from a predefined list of columns. The more sensible synonyms you add, the better your users' experience is with your report.

Reference:

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

**NEW QUESTION 78**

- (Topic 4)

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

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

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

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

salary.

Solution: You create an average line by using the Salary measure. Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

**Explanation:**

Instead create a percentile line by using the Salary measure and set the percentile to 50%. Note: The 50th percentile is also known as the median or middle value where 50 percent of observations fall below.

Reference:

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

**NEW QUESTION 80**

- (Topic 4)

In Power BI Desktop, you are creating visualizations in a report based on an imported dataset

You need to allow Power BI users to export the summarized data used to create the visualizations but prevent the users from exporting the underlying data

What should you do?

- A. From Power BI Desktop, configure the Data Load settings for the current file.
- B. From the Power BI service, configure the dataset permissions.
- C. From Power BI Desktop, configure the Report settings for the current file.
- D. From Power BI Desktop, modify the data source permissions.

**Answer: C**

**Explanation:**

<https://learn.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-export-data?tabs=powerbi-desktop>

The export functionality can be disabled on several levels. First, Power BI Service admins can disable this functionality on tenant level. With that, nobody will be able to export the data. More about that later. Second, as a dataset owner you can decide if you allow your users to export the data. This is managed in dataset settings, but only changeable in Power BI desktop.

No matter what settings are applied in Power BI desktop, the tenant settings will overrule this. In the end the Power BI Service admin decides what options are possible to use.

<https://data-marc.com/2020/04/13/power-bi-governance-why-you-should-consider-to-disable-export-to-excel/>



### NEW QUESTION 83

FILL IN THE BLANK - (Topic 4)

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

What should you do? To answer select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer as below

### NEW QUESTION 85

- (Topic 4)

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

**Answer:** B

### NEW QUESTION 86

DRAG DROP - (Topic 4)

You are building a dataset from a JSON file that contains an array of documents.

You need to import attributes as columns from all the documents in the JSON file. The solution must ensure that date attributes can be used as date hierarchies in Microsoft Power BI 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.

#### Actions

#### Answer Area

Expand the columns.

Expand the records.

Add columns that use data type conversions.

Set the data types.

Convert the list to a table.



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

1- Convert list to table 2- Expand Column

3- Set Date type

Here is an example: <https://youtu.be/B4kzyxnhQfl>

The definition of the function which expand columns: <https://docs.microsoft.com/en-us/powerquery-m/table-expandrecordcolumn>

### NEW QUESTION 90

- (Topic 4)

You have a BI dataset and a connected report.

You need to ensure that users can analyze data in Microsoft Excel by connecting directly to the dataset.

You grant the users the Build permission for dataset. What should you do next?

- A. Change default visual interaction for the report
- B. For the report change the Export data setting to Summarized data, data with current layout and underlying data
- C. For the report, change the Export data setting to None
- D. Certify the dataset used by the report.

**Answer:** B

### NEW QUESTION 95

- (Topic 4)

You have a Power BI report named Report1 and a dashboard named Dashboard1. Report1 contains a line chart named Sales by month.

You pin the Sales by month visual to Dashboard1.

In Report1, you change the Sales by month visual to a bar chart. You need to ensure that bar chart displays on Dashboard1. What should you do?

- A. Edit the details for the dashboard tile of Dashboard1.
- B. Select Refresh visuals for Dashboard1.
- C. the Sales by month bar chart to Dashboard1
- D. Refresh the dataset used by Report1 and Dashboard1.

**Answer:** C

#### NEW QUESTION 98

HOTSPOT - (Topic 4)

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

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

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

The related dimension tables are imported into the model.

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

NOTE: Each correct selection is worth one point.

Answer Area

Statements

Yes

No

The 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.

☐
☐

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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.

☐
☒

#### NEW QUESTION 103

HOTSPOT - (Topic 4)

You need to create a Power BI report. The first page or 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.



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**



#### NEW QUESTION 108

- (Topic 4)

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

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

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

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

Solution: You modify the source step of the queries to use DataSourceExcel as the file path.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

**Explanation:**

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

Reference:

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

#### NEW QUESTION 110

- (Topic 4)

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 Keep Errors
- B. Edit the query in the Query Errors group.
- C. Select Replace Errors
- D. Select Remove Errors.

**Answer: C**

#### NEW QUESTION 115

- (Topic 4)

Your company has training videos that are published to Microsoft Stream. You need to surface the videos directly in a Microsoft Power BI dashboard. Which type of tile should you add?

- A. video
- B. custom streaming data
- C. text box
- D. web content

**Answer: D**

#### Explanation:

<https://docs.microsoft.com/en-us/stream/portal-embed-video> <https://docs.microsoft.com/en-us/power-bi/create-reports/service-dashboard-add-widget#add-web-content>

#### NEW QUESTION 116

- (Topic 4)

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

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

How should you configure the data connection?

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

**Answer: B**

#### Explanation:

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

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

Reference:

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

#### NEW QUESTION 121

- (Topic 4)

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



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

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

	IoT GUID	IoT DateTime	IoT ID
	<div><div>Valid</div><div>Error</div><div>Empty</div></div> <div>100%</div> <div>0%</div> <div>0%</div>	<div><div>Valid</div><div>Error</div><div>Empty</div></div> <div>100%</div> <div>0%</div> <div>0%</div>	<div><div>Valid</div><div>Error</div><div>Empty</div></div> <div>100%</div> <div>0%</div> <div>0%</div>
1	48196321-38D9-EC11-883D-0022489A2...	21/05/2022 18:59:25	100001000
2	49196321-38D9-EC11-883D-0022489A2...	21/05/2022 18:59:26	100001001
3	0300C742-38D9-EC11-883D-0022489A2...	21/05/2022 19:00:21	100001002
4	0400C742-38D9-EC11-883D-0022489A2...	21/05/2022 19:00:21	100001003
5	0500C742-38D9-EC11-883D-0022489A2...	21/05/2022 19:00:21	100001004
6	0600C742-38D9-EC11-883D-0022489A2...	21/05/2022 19:00:21	100001005

The IOT ID columns are unique to each row in query.

You need to analyze 10T events by the hour and day of the year. The solution must improve dataset performance.

Solution: You create a custom column that concatenates the 10T 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

Answer: B

NEW QUESTION 123

HOTSPOT - (Topic 4)

You have a folder of monthly transaction extracts.

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

You receive the following email message: "Hi. I've put 24 files of monthly transaction data onto the shared drive. File Transactions201901.csv through Transactions201912.csv have the latest set of columns, but files Transactions201801.csv to Transactions201812.csv have an older layout without the extra fields needed for analysis. Each file contains 10 to 50 transactions."

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

Combine Files

Specify the settings for each file. [Learn more](#)

Sample File:

First file

File Origin

1252: Western European (Windows)

Delimiter

Comma

Data Type Detection

Based on entire dataset

ID	Date	CustomerID	Amount
1	01/01/2018 08:00:00	5	28.99
2	01/01/2018 18:00:00	10	31.88
3	02/01/2018 08:00:00	15	22.99
4	02/01/2018 18:00:00	25	14.25
5	03/01/2018 08:00:00	35	85
6	03/01/2018 18:00:00	45	47.74
7	04/01/2018 08:00:00	55	76.66
8	04/01/2018 18:00:00	51	99.99
9	05/01/2018 08:00:00	52	10.99
10	05/01/2018 18:00:00	58	85

☒ Skip files with errors

OK

Cancel

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

NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
The resulting query will contain all the columns from the 2018 transactions.	<input type="radio"/>	<input type="radio"/>
The resulting query will contain all the columns from the 2019 transactions.	<input type="radio"/>	<input type="radio"/>
Setting Data Type Detection to <b>Based on first 200 rows</b> will improve import times.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application

Description automatically generated



Box 1: Yes

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

Box 2: Yes

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

Box 3: Yes

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

#### NEW QUESTION 126

- (Topic 4)

You have a Microsoft Excel file on a file server.

You create a Power BI report and import a table from the Excel file. You publish the report.

You need to ensure that the data refreshes every four hours. What should you do first?

- A. Upload the Excel file to a Power BI workspace.
- B. Create a subscription to the report.
- C. Deploy an on-premises data gateway.
- D. Edit the data source credentials.

**Answer:** C

#### NEW QUESTION 130

- (Topic 4)

You are reviewing a query that produces 10,000 rows in the Power Query Editor. You need to identify whether a column contains only unique values.

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

NOTE: Each correct selection is worth one point.

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

**Answer:** AB

#### Explanation:

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

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

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

Reference:

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

#### NEW QUESTION 133

- (Topic 4)

You plan to create a dashboard in the Power BI service that retrieves data from a Microsoft SQL Server database. The dashboard will be shared between the users in your organization.

You need to ensure that the users will see the current data when they view the dashboard. How should you configure the connection to the data source?

- A. Deploy an on-premises data gateway (personal mode). Import the data by using the Import Data Connectivity mode.
- B. Deploy an on-premises data gateway.
- C. Import the data by using the Import Data Connectivity mode.
- D. Deploy an on-premises data gateway.
- E. Import the data by using the DirectQuery Data Connectivity mode.
- F. Deploy an on-premises data gateway (personal mode). Import the data by using the DirectQuery Data Connectivity mode.

**Answer:** D

#### Explanation:

References: <https://docs.microsoft.com/en-us/power-bi/desktop-directquery-about#power-bi-connectivity-modes>

#### NEW QUESTION 138

HOTSPOT - (Topic 4)

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



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area



#### NEW QUESTION 140

- (Topic 4)

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. no impact
- B. highlight
- C. filter

**Answer:** B

**Explanation:**

HIGHLIGHT as the question required us to "you see which portion of the total sales for the month belongs to the customer segment" -- in order to see WHICH portion, you need to still see the whole visual, highlight is most appropriate. If the requirement stated to ONLY SEE THE PORTION IT RELATES TO then filter would be appropriate.

#### NEW QUESTION 142

- (Topic 4)

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], OATEADD (Date[Date], -1, QUARTER))
- B. CALCULATE ([Total Sales], DATESQTD (Date[Date]))
- C. TOTALQTD ([Total Sales], Date[Date])
- D. CALCULATE < [Total Sales], PARALLELPERIOO (Date[Date], 1, QUARTER))

**Answer:** A

#### NEW QUESTION 144

DRAG DROP - (Topic 4)

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.

**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**

>

<

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

\* 1.Merge [Region\_Manager] and [Manager] by using an inner join. 3.Merge [Sales\_Region] and [Sales\_Manager] by using an inner join. 6.Merge [Sales\_Region] and [Region\_Manager] by using an inner join.

#### NEW QUESTION 147

- (Topic 4)

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

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

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

What should you include on the menu page?

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

**Answer:** B

**Explanation:**

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

#### NEW QUESTION 149

- (Topic 4)

You have a CSV file that contains user complaints. The file contains a column named Logged logged contains the date and time each complaint occurred. The data in Logged is in the following format: 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.
- B. Create a column by example that starts with 2018-12-31 and set the data type of the new column to Date.
- C. Apply the parse function from the Date transformations options to 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.

Answer: A

NEW QUESTION 150

HOTSPOT - (Topic 4)

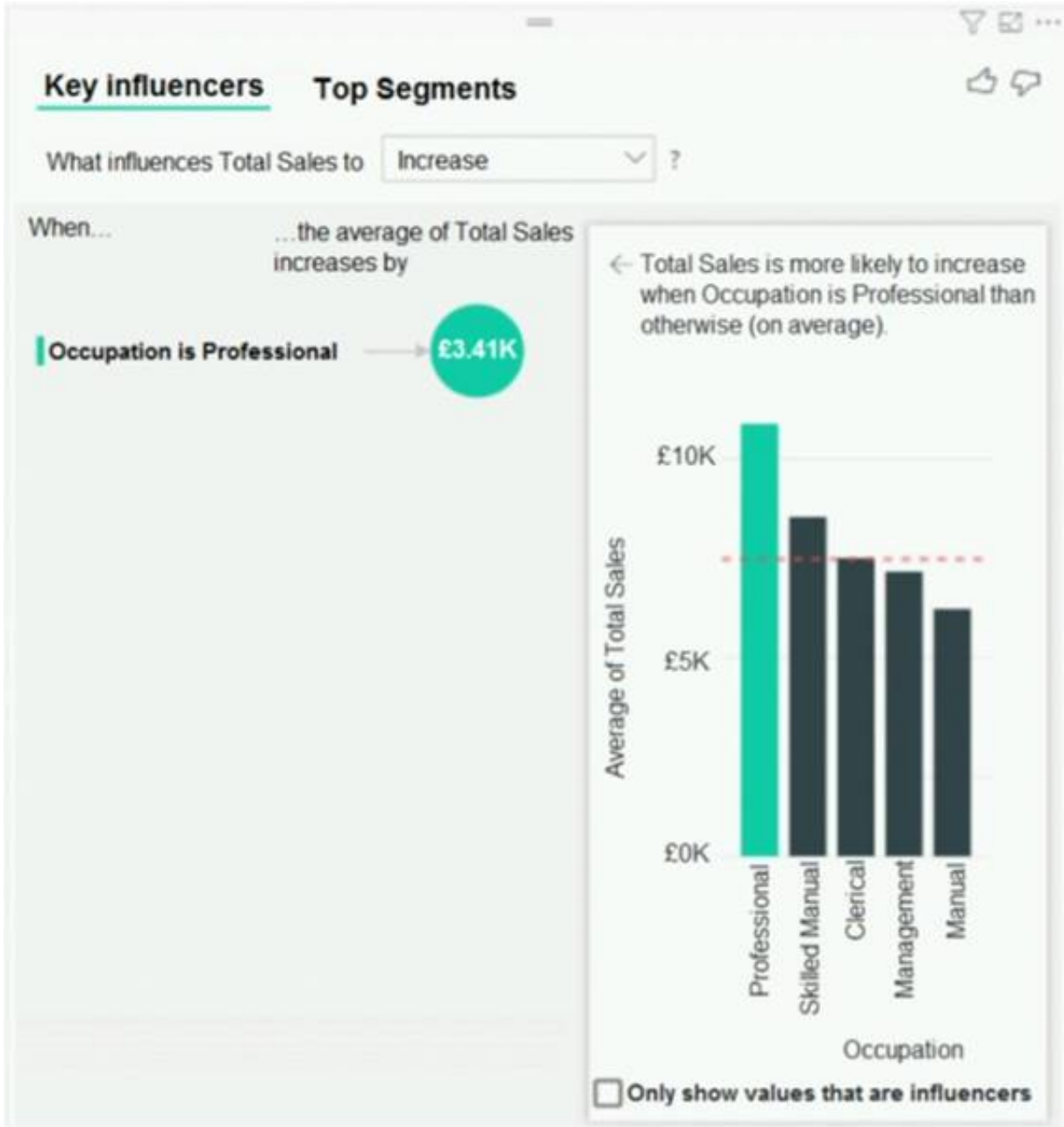
You have a table that contains the following three columns:

? 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.

Analyze:  ▼

City
Occupation
Total Sales

Explain by:  ▼

City
Occupation
Total Sales

Expand by:  ▼

City
Occupation
Total Sales

- A. Mastered
- B. Not Mastered

Answer: A



**Explanation:**

Box 1: Total Sales Box 2: Occupation

Box 3: City

You can use Expand By to add fields you want to use for setting the level of the analysis without looking for new influencers.

**NEW QUESTION 152**

- (Topic 4)

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

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

You have a Power BI 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

**Answer: A**

**Explanation:**

Creating two additional tables in Power Query can be a possible solution: Remove any inactive relationships.

Consider renaming the role-playing dimension-type table to better describe its role. In the example, the Airport table is related to the ArrivalAirport column of the Flight table, so it's renamed as Arrival Airport.

Create a copy of the role-playing table, providing it with a name that reflects its role. If it's an Import table, we recommend defining a calculated table. If it's a DirectQuery table, you can duplicate the Power Query query.

In the example, the Departure Airport table was created by using the following calculated table definition.

**NEW QUESTION 155**

- (Topic 4)

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

Your company's security policy states that you cannot send data outside of your Microsoft Power BI tenant

Which approach provides the widest variety of visuals while adhering to the security policy?

A. Use default visuals or custom visuals uploaded from a .pbviz file.

B. Use only default visuals.

C. Use default or any custom visuals from the marketplace.

D. Use default or certified custom visuals.

**Answer: C**

**NEW QUESTION 159**

DRAG DROP - (Topic 4)

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

You create two row-level security (RLS) roles named Manager and CFO. You plan to publish the dataset to the Power BI service.

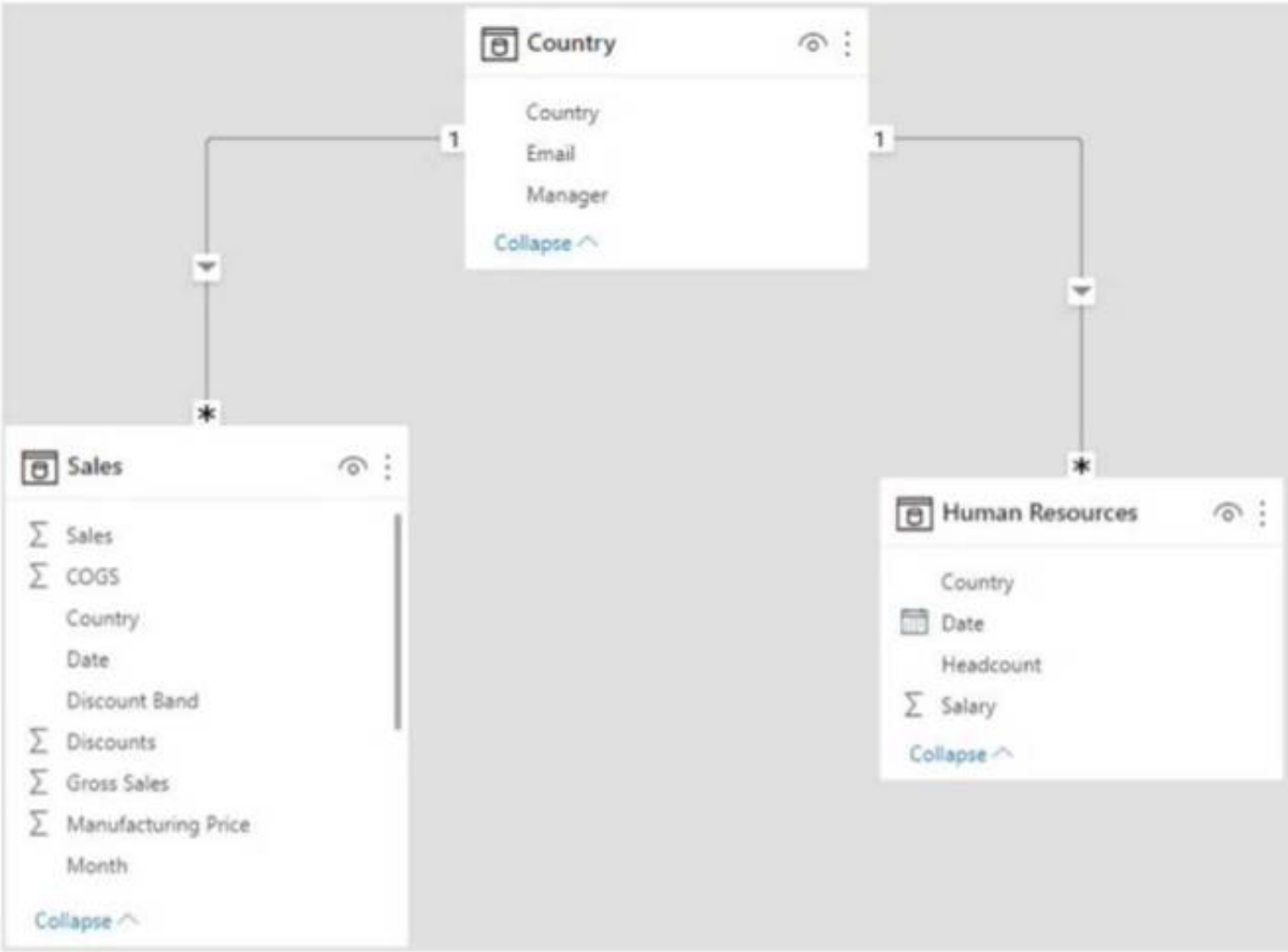
You need to create DAX expressions for the RLS filters. The solution must meet the following requirements:

- 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.





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 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:

- A. Mastered  
B. Not Mastered

Answer: A

Explanation:

Table Filter DAX Expression

[Country]= "USA"

[Email]= userprincipalname()

[Manager]= "CFO"

False()

True()

Answer Area

Human Resources:

Country:

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

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

What should you do?

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

**Answer: B**

**Explanation:**

It is common practice that the PBI developer creates RLS groups and instructs the network team to create the corresponding AD roles. Then the developer assigns the AD groups to the RLS groups.

**NEW QUESTION 167**

- (Topic 4)

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

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

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

	IoT GUID	IoT DateTime	IoT ID
	<ul style="list-style-type: none"> <li>Valid 100%</li> <li>Error 0%</li> <li>Empty 0%</li> </ul>	<ul style="list-style-type: none"> <li>Valid 100%</li> <li>Error 0%</li> <li>Empty 0%</li> </ul>	<ul style="list-style-type: none"> <li>Valid 100%</li> <li>Error 0%</li> <li>Empty 0%</li> </ul>
1	48196321-38D9-EC11-883D-0022489A2...	21/05/2022 18:59:25	100001000
2	49196321-38D9-EC11-883D-0022489A2...	21/05/2022 18:59:26	100001001
3	0300C742-38D9-EC11-883D-0022489A2...	21/05/2022 19:00:21	100001002
4	0400C742-38D9-EC11-883D-0022489A2...	21/05/2022 19:00:21	100001003
5	0500C742-38D9-EC11-883D-0022489A2...	21/05/2022 19:00:21	100001004
6	0600C742-38D9-EC11-883D-0022489A2...	21/05/2022 19:00:21	100001005

The IOT ID columns are unique to each row in query.

You need to analyze 10T 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

**Answer: A**

**NEW QUESTION 172**

- (Topic 4)

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	<ul style="list-style-type: none"> <li>Publish Date</li> <li>URL</li> <li>Title</li> <li>Full Text</li> <li>Summary</li> </ul>
Traffic	Website logs	Activity data from your company's entire website	<ul style="list-style-type: none"> <li>DateTime</li> <li>URL Visited</li> <li>IP Address</li> <li>Browser Agent</li> <li>Referring URL</li> </ul>

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"
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 toad times.

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

NOTE: Each correct selection is worth one point.

- A. Remove the rows in Traffic in which Traffic [Referring URL] does not start with "/"
- B. Remove the rows in Posts in which Post [Publish Date] is in the last seven days.
- 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 [URL visited] does not contain "blog"

**Answer:** DE

#### NEW QUESTION 176

- (Topic 4)

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

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

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

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

Solution: From Power Query Editor, you import the table and then add a filter step to the query.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

#### NEW QUESTION 181

HOTSPOT - (Topic 4)

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

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

View2 contains the columns shown in the following table.



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

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

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

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

? The count of classes that occur by period

? The count of students in attendance by period by day

? The average number of students attending a class each month

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

NOTE: Each correct selection is worth one point.

**Answer Area**

Teacher First Name:

- Attendance fact
- Class dimension**
- Teacher dimension
- Teacher fact

Period Number:

- Attendance fact
- Class dimension
- Period dimension**
- Period fact

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Teacher dimension Class dimension

#### NEW QUESTION 185

- (Topic 4)

You have an app workspace that contains a dashboard and four reports. All the reports are generated from a single dataset that contains sales data for your company.

The reports display the data configured as shown in the following table.

Report name	Data displayed	Data characteristic
Sales Data1	Sales from the start of 2013 to the end of 2015	The company was owned by another company named Contoso, Ltd. from 2013 to 2015
Sales Data2	Sales from the start of 2011 to the end of 2016	The company changed the line of products sold frequently from 2011 to 2016
Sales Data3	Sales from the start of 2016 to the end of 2017	The company hired new management that started in 2016
Sales Data4	Sales from the start of 2011 to the end of 2014	The company was being sued by a competitor from 2011 to 2014

You need to ensure that the users of the reports can locate the correct report by using natural language queries. What should you do?

- A. From the properties of the dataset, create four Featured Q&A Questions.
- B. From the Format settings of the reports, modify the Page Information.
- C. From the properties of the dataset, modify the Q&A and Cortana settings.
- D. From the properties of the workspace, modify the Language Settings.

**Answer:** C



**Explanation:**

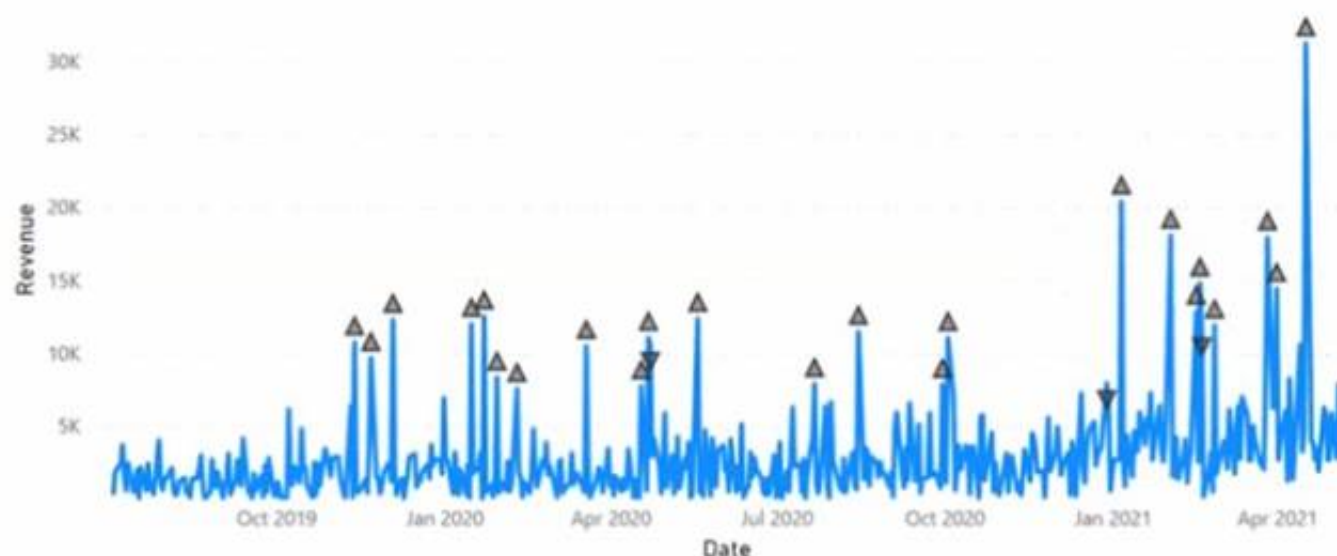
References: <https://docs.microsoft.com/en-us/power-bi/service-q-and-a-direct-query#limitations-during-public-preview>

**NEW QUESTION 188**

FILL IN THE BLANK - (Topic 4)

You have a Power BI visual that uses indicators to show values that are out of range as shown in the following exhibit.

Revenue by Date



- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Answer Area

The visual type is [answer choice] chart. a line

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

**NEW QUESTION 189**

FILL IN THE BLANK - (Topic 4)

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:

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Answer is as below

Active Store Name = IF ([Status] = "A", [Store Name], "Inactive - " & [Store Name])

**NEW QUESTION 193**

FILL IN THE BLANK - (Topic 4)

You have two Power BI workspaces named WorkspaceA and Workspaces. WorkspaceA contains two datasets named Sales and HR.

You need to provide a user named User1 with access to the workspaces. The solution must meet the following requirements:

- Create reports that use the HR dataset.
- Publish the reports to WorkspaceB.
- Prevent the ability to modify the HR dataset.
- Prevent the ability to add users to WorkspaceB.

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Answer is as below.

To access the HR dataset: Grant User1 share permissions for the HR dataset.

To publish reports to WorkspaceB: Assign User1 the Contributor role for WorkspaceB.

NEW QUESTION 198

DRAG DROP - (Topic 4)

You are preparing a financial report in Power BI.

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

	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.

Actions

Rename the Attribute column as Year

Rename the Measure column as Year

Use the first row as headers

Use headers as the first row

Unpivot all the columns other than Measure

Transpose the table

Change the data type of the Year column to Date

Answer Area

>

<

↑

↓

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

Rename the Attribute column as Year

Rename the Measure column as Year

Use the first row as headers

Use headers as the first row

Unpivot all the columns other than Measure

Transpose the table

Change the data type of the Year column to Date

Answer Area

Use the first row as headers

Unpivot all the columns other than Measure

Rename the Attribute column as Year

Change the data type of the Year column to Date

**NEW QUESTION 201**  
HOTSPOT - (Topic 4)  
You are profiling data by using Power Query Editor.  
The AddressLine2 column in a table named Address 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.

Answer Area

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

2

11

12

23

Take one for the question for the statement. There are [answer choice] different values in the column including nulls.

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

1

11

12

23

- A. Mastered  
B. Not Mastered

Answer: A

Explanation:

Answer Area

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

2

11

12

23

Take one for the question for the statement. There are [answer choice] different values in the column including nulls.

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

1

11

12

23

**NEW QUESTION 204**  
DRAG DROP - (Topic 4)  
You are modeling data in table named SalesDetail by using Microsoft Power BI.  
You need to provide end users with access to the summary statistics about the SalesDetail data. The users require insights on the completeness of the data and the value distributions.  
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions

Specify the following query, then close and apply.  
-Table.Distinct(#"SalesDetail")

Create a visual for the query table.

Create a parameter that uses a query for the suggested values.

Create a query that uses Common Data Service as a data source.

Specify the following query, then close and apply.  
-Table.Profile(#"SalesDetail")

Create a blank query as a data source.

Answer Area

⏪

⏩

⏴

⏵

A. Mastered  
B. Not Mastered

Answer: A

Explanation:

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**Actions**

Specify the following query, then close and apply.  
-Table.Distinct("#SalesDetail")

Create a visual for the query table.

Create a parameter that uses a query for the suggested values.

Create a query that uses Common Data Service as a data source.

Specify the following query, then close and apply.  
-Table.Profile("#SalesDetail")

Create a blank query as a data source.

**Answer Area**

Create a blank query as a data source.

Specify the following query, then close and apply.  
-Table.Profile("#SalesDetail")

Create a visual for the query table.

### NEW QUESTION 205

- (Topic 4)

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

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

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

**Answer:** D

#### Explanation:

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

Cardinality

Many to one (\*:1)

Cross filter direction

Both

☒ Make this relationship active

☐ Assume referential integrity

☒ Apply security filter in both directions

OK

Cancel

Reference:

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

### NEW QUESTION 208

FILL IN THE BLANK - (Topic 4)

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

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

NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Answer as below

**Answer Area**

Late Orders Percent =  
VAR OrderCount =  
COUNTROWS ( 'Orders' )  
VAR LateOrders =  

CALCULATE

COUNTROWS ( 'Orders' ),  

FILTER

( Orders, Orders[ShippedDate] > Orders[RequiredDate]

### NEW QUESTION 209

DRAG DROP - (Topic 4)



You are using existing reports to build a dashboard that will be viewed frequently in portrait mode on mobile phones.  
You need to build the dashboard.  
Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions

Pin items from the reports to the dashboard.

Rearrange, resize, or remove items from the phone view.

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

Open the dashboard.

Create a phone layout for the existing reports.

Answer Area

⬅️

➡️

⬆️

⬆️

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

Pin items from the reports to the dashboard.

Rearrange, resize, or remove items from the phone view.

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

Open the dashboard.

Create a phone layout for the existing reports.

Answer Area

Pin items from the reports to the dashboard.

Open the dashboard.

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

Rearrange, resize, or remove items from the phone view.

⬅️

➡️

⬆️

⬆️

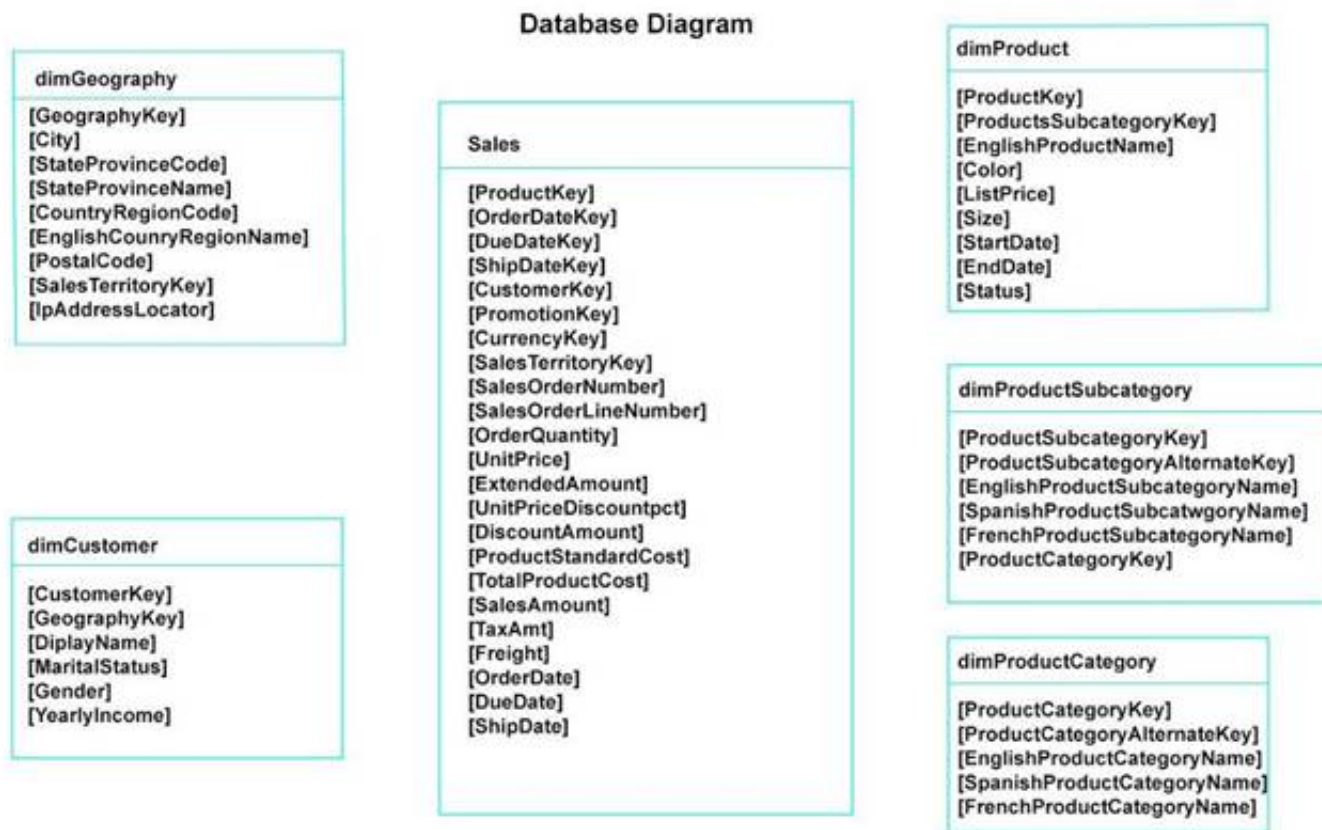
NEW QUESTION 212

- (Topic 4)

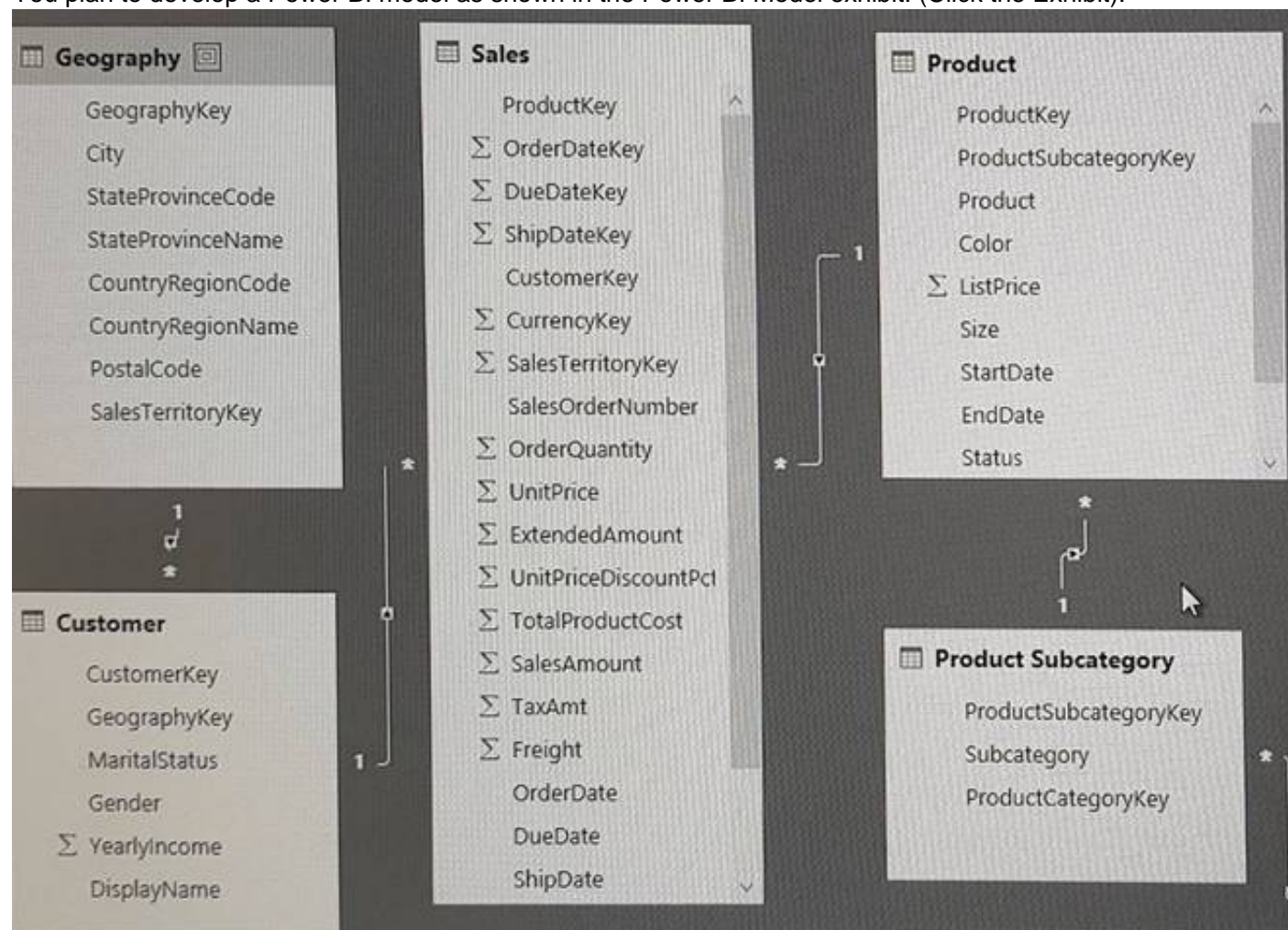
Note: This question is a part of a series of questions that present the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is exactly the same in each question in this series.

Start of repeated scenario

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



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



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

You need to add a measure to rank total sales by product. The results must appear as shown in the following table.

Rank	Product	SalesAmount
1	Product3	13,000
1	Product2	13,000
2	Product1	12,000
3	Product5	10,000
3	Product4	10,000

Which DAX formula should you use?

- A. Product Ranking= RANKX (Product, [SalesAmount], , DESC, Skip)
- B. Product Ranking= RANKX (ALL, ('Product'), [SalesAmount], , DESC, Dense)
- C. Product Ranking= RANKX (ALL, ('Product'), [SalesAmount], , DESC, Skip)
- D. Product Ranking= RANKX (ALL ('Product'), [SalesAmount], , Asc, Dense)

**Answer: B**



**Explanation:**

References: <https://msdn.microsoft.com/en-us/library/gg492185.aspx>

**NEW QUESTION 217**

HOTSPOT - (Topic 4)

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

Answer Area

Late Orders Percent =

VAR OrderCount =

COUNTROWS ( 'Orders' )

VAR LateOrders =

CALCULATE

COUNTROWS ( 'Orders' ),

FILTER

( Orders,

Orders[ShippedDate] > Orders[RequiredDate]

)

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

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

NOTE: Each correct

selection is worth one point.

Answer Area

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

0 rows  
1 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

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

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

**NEW QUESTION 222**

HOTSPOT - (Topic 4)

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.

Answer Area

Create:

One parameter  
One parameter  
Two parameters  
Three parameters

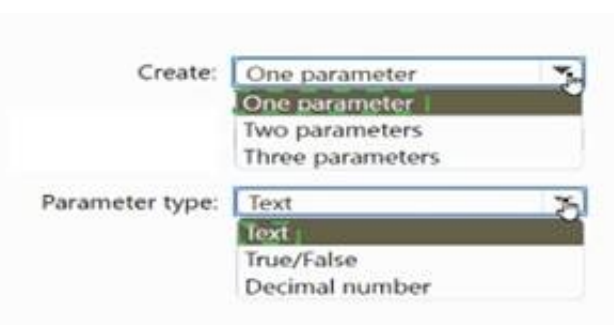
Parameter type:

Text  
Text  
True/False  
Decimal number

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:  
Answer Area



#### NEW QUESTION 224


HOTSPOT - (Topic 4)

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.

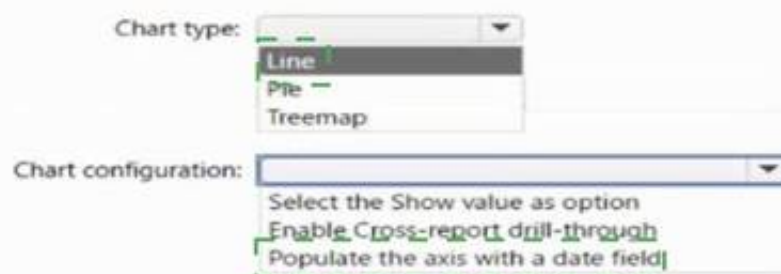
Answer Area



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:  
Answer Area



#### NEW QUESTION 227

- (Topic 4)

You have a Power BI dataset named Finance that is hosted in a Power BI workspace.

The finance team at your company is NOT currently a member of any Power BI workspace roles.

You need to enable the finance team to use Microsoft Excel to analyze the Finance dataset.

What should you do?

- A. Create a row-level security (RLS) role and add the finance team to the role as members.
- B. Provide an Excel workbook that is connected to the Finance dataset.
- C. Grant the finance team write permissions to the Finance dataset.
- D. Grant the finance team build permissions to the Finance dataset.

Answer: D

#### NEW QUESTION 228

- (Topic 4)

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

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

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

You need to recreate the Power View sheets as reports in the Power BI service. Solution: From the Power BI service, get the data from SharePoint Online, and then click

Connect

Does this meet the goal?

- A. Yes
- B. No

Answer: B



**Explanation:**

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

References:

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

**NEW QUESTION 233**

HOTSPOT - (Topic 4)

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

Business Unit
Cost Center
Headcount
ID
Name

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.

Answer Area

Row label:	<div>Cost Center</div> <div>Cost Center</div> <div>Headcount</div> <div>ID</div> <div>Name</div>
Key column:	<div>ID</div> <div>Cost Center</div> <div>Headcount</div> <div>ID</div> <div>Name</div>
Is featured table:	<div>Yes</div> <div>No</div> <div>Yes</div>

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Answer Area

Row label:	<div>Cost Center</div> <div>Cost Center</div> <div>Headcount</div> <div>ID</div> <div>Name</div>
Key column:	<div>ID</div> <div>Cost Center</div> <div>Headcount</div> <div>ID</div> <div>Name</div>
Is featured table:	<div>Yes</div> <div>No</div> <div>Yes</div>

**NEW QUESTION 235**

- (Topic 4)

You have a PBiX file that imports several tables from an Azure SQL database. The data will be migrated to another Azure SQL database.

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

What should you do?

- A. From Power Query Editor, modify the source of each query.
- B. Create a PBiT file, open the file, and change the data sources when prompted
- C. From Power Query Editor, create new queries.

D. Modify the Data source settings.

**Answer:** D

#### NEW QUESTION 236

- (Topic 4)

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 is possible way to achieve this goal?

- A. Add a salary to the tooltips.
- B. Add a salary to the visual filters.
- C. Add salary to the drillthrough fields.

**Answer:** A

#### Explanation:

Reference:

<https://docs.microsoft.com/en-us/power-bi/create-reports/desktop-custom-tooltips> <https://technovids.com/power-bi-filters/>

#### NEW QUESTION 240

- (Topic 4)

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

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

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

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

Solution: You create a median line by using the Salary measure. Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

#### Explanation:

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

Reference:

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

#### NEW QUESTION 244

- (Topic 4)

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 custom 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. Split the visuals onto multiple pages.
- B. Implement row-level security (RLS).
- C. Replace the default visuals with custom visuals.
- D. Increase the number of times that the dataset is refreshed.

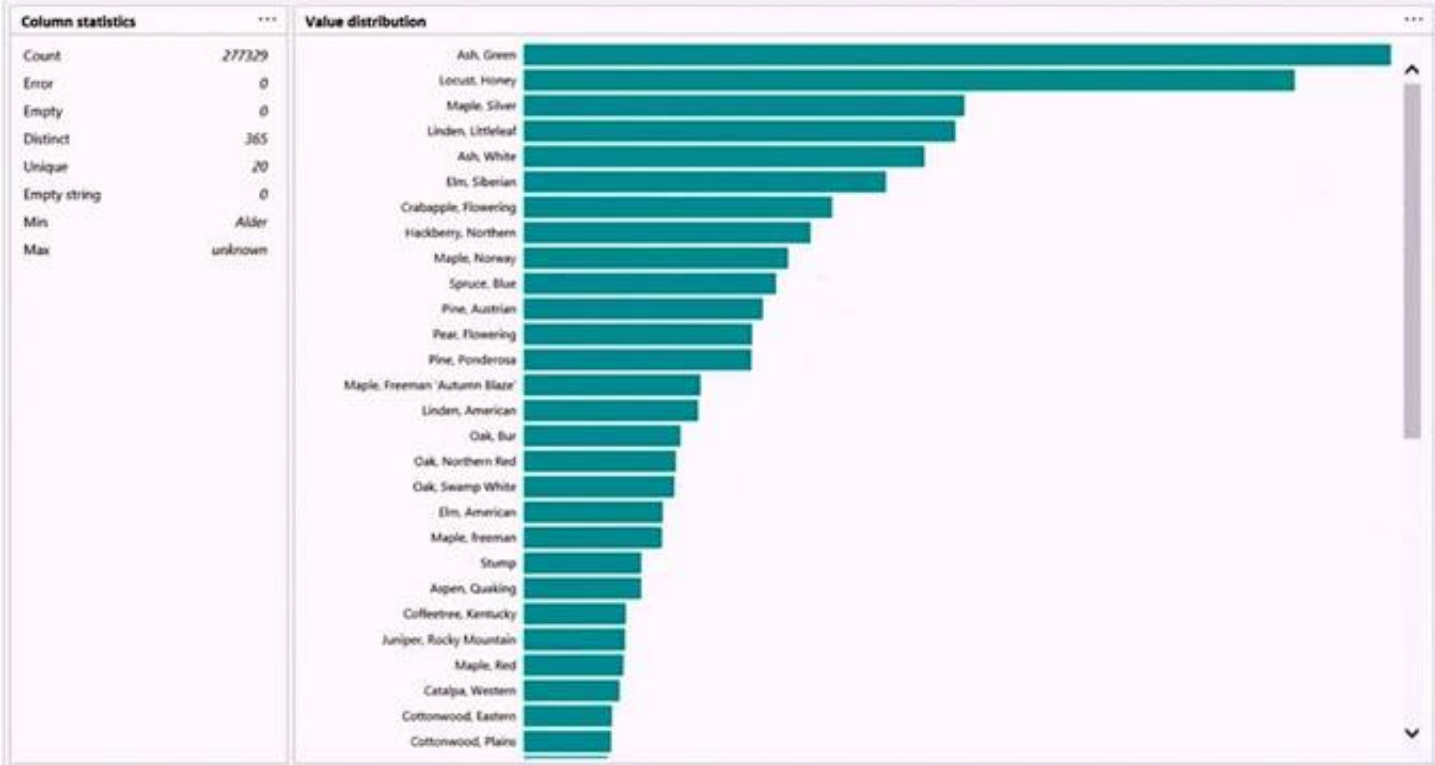
**Answer:** A

#### NEW QUESTION 247

HOTSPOT - (Topic 4)

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.



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.

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

- Ash, Green
- Crabapple, Flowering
- Elm, American
- Spruce, Blue

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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.

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

- Ash, Green
- Crabapple, Flowering
- Elm, American
- Spruce, Blue

NEW QUESTION 252

- (Topic 4)

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

Answer: D

NEW QUESTION 253

- (Topic 4)

You have a Power BI report. The report contains visualizations that have interactions. You need to identify which visualizations take the longest to complete. What should you use?

- A. SQL Server Profiler
- B. Performance Analyzer in Power BI Desktop
- C. Query Diagnostics in Power BI
- D. Microsoft Edge DevTools

**Answer:** B

**Explanation:**

Use Power BI Desktop Performance Analyzer to optimize reports.

In Power BI Desktop you can find out how each of your report elements, such as visuals and DAX formulas, are performing. Using the Performance Analyzer, you can see and record logs that measure how each of your report elements performs when users interact with them, and which aspects of their performance are most (or least) resource intensive.

Reference:

<https://docs.microsoft.com/en-us/power-bi/create-reports/desktop-performance-analyzer>

**NEW QUESTION 255**

- (Topic 4)

You have a data model that contains many complex DAX expressions. The expressions contain frequent references to the RELATED and RELATEDTABLE functions.

You need to recommend a solution to minimize the use of the RELATED and RELATEDTABLE functions.

What should you recommend?

- A. Merge tables by using Power Query.
- B. Hide unused columns in the model.
- C. Split the model into multiple models.
- D. Transpose.

**Answer:** A

**Explanation:**

Combining data means connecting to two or more data sources, shaping them as needed, then consolidating them into a useful query.

When you have one or more columns that you'd like to add to another query, you merge the queries.

Note: The RELATEDTABLE function is a shortcut for CALCULATETABLE function with no logical expression.

CALCULATETABLE evaluates a table expression in a modified filter context and returns a table of values.

Reference:

<https://docs.microsoft.com/en-us/power-bi/connect-data/desktop-shape-and-combine-data>

**NEW QUESTION 260**

- (Topic 4)

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:

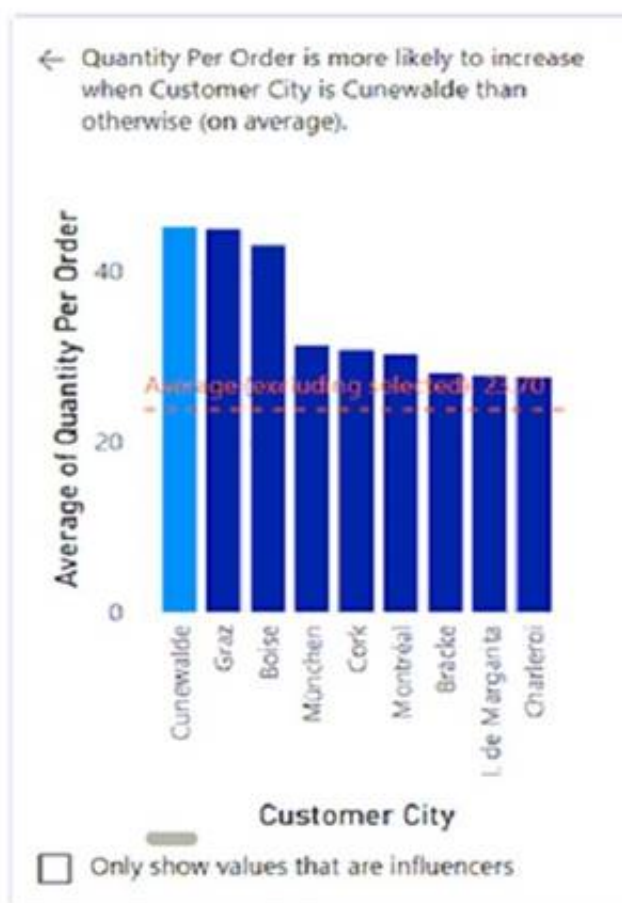
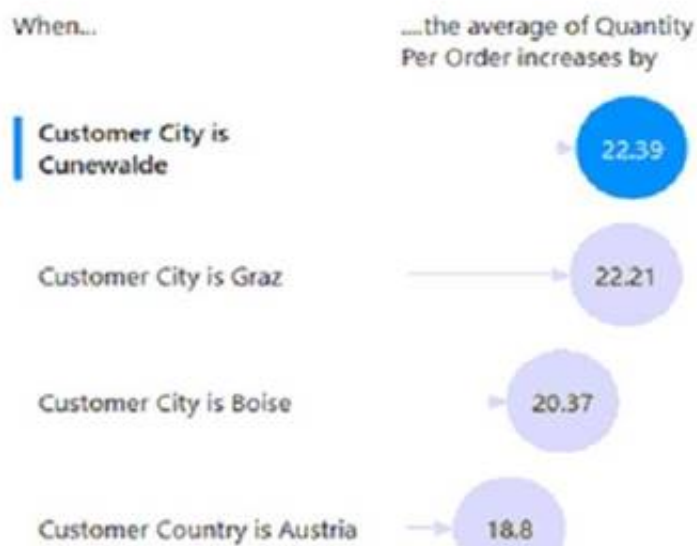
- \* Customer Country
- \* Product Category
- \* Supplier Country
- \* Sales Employee
- \* Supplier Name
- \* Product Name
- \* Customer City

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



Key influencers Top segments

What influences Quantity Per Order to Increase



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.

Answer: A

NEW QUESTION 263

HOTSPOT - (Topic 4)

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 (

Answer Area

Statements

- 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.

- | Yes                   | No                    |
|-----------------------|-----------------------|
| <input type="radio"/> | <input type="radio"/> |
| <input type="radio"/> | <input type="radio"/> |
| <input type="radio"/> | <input type="radio"/> |

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements

- 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.

- | Yes                              | No                               |
|----------------------------------|----------------------------------|
| <input type="radio"/>            | <input checked="" type="radio"/> |
| <input type="radio"/>            | <input checked="" type="radio"/> |
| <input checked="" type="radio"/> | <input type="radio"/>            |

NEW QUESTION 266

#### HOTSPOT - (Topic 4)

You have two Azure SQL databases that contain the same tables and columns.

For each database, you create a query that retrieves data from a table named Customers. You need to combine the Customer tables into a single table. The solution must minimize

the size of the data model and support scheduled refresh in powerbi.com.

What should you do? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

**Answer 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.

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Graphical user interface, text

Description automatically generated with medium confidence

Box 1: Append Queries as New.

There are two primary ways of combining queries: merging and appending.

? When you have one or more columns that you'd like to add to another query, you merge the queries.

? When you have additional rows of data that you'd like to add to an existing query, you append the query.

Box 2: Disable loading the query to the data model

For every query that loads into model memory will be consumed. and Memory is our asset in the Model, less memory consumption leads to better performance in most of the cases. The best approach is to disable loading.

#### NEW QUESTION 269

- (Topic 4)

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

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

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

	IoT GUID	IoT DateTime	IoT ID
	Valid 100%	Valid 100%	Valid 100%
	Error 0%	Error 0%	Error 0%
	Empty 0%	Empty 0%	Empty 0%
1	48196321-38D9-EC11-883D-0022489A2...	21/05/2022 18:59:25	100001000
2	49196321-38D9-EC11-883D-0022489A2...	21/05/2022 18:59:26	100001001
3	0300C742-38D9-EC11-883D-0022489A2...	21/05/2022 19:00:21	100001002
4	0400C742-38D9-EC11-883D-0022489A2...	21/05/2022 19:00:21	100001003
5	0500C742-38D9-EC11-883D-0022489A2...	21/05/2022 19:00:21	100001004
6	0600C742-38D9-EC11-883D-0022489A2...	21/05/2022 19:00:21	100001005

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

**Answer:** A

#### NEW QUESTION 271

- (Topic 4)

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 bookmark navigation button to page 1.
- C. Create a bookmark for each page.
- D. Add a page navigation button to page 1.

**Answer:** A

#### NEW QUESTION 272

- (Topic 4)

You manage a Power BI model has a table named Sales and product.

You need to ensure that a sales team can view only data that has a CountryRegionName value of United States and a ProductCategory value of Clothing. What should you do from Power BI Desktop?

- A. From Power BI Desktop, create a new role that has the following filter.[countryRegionName]= "United States" && [ProductCategory]= "Clothing"
- B. Add the following filters in Query Editor.CountryRegionName is United StatesProductCategory is Clothing
- C. From Power BI Desktop, create a new role that has the following filters.[CountryRegionName]= "United States"
- D. Add the following filters to a report.CountryRegionName is United SatesProductCategory is Clothing

**Answer:** D

**Explanation:**

References: <https://docs.microsoft.com/en-us/power-bi/power-bi-how-to-report-filter>

**NEW QUESTION 277**

- (Topic 4)

You have a Microsoft SharePoint Online site that contains several document libraries. One of the document libraries contains manufacturing reports saved as Microsoft Excel files. All the manufacturing reports have the same data structure.

You need to load only the manufacturing reports to a table for analysis. What should you do in Microsoft Power BI Desktop?

- A. Get data from a SharePoint Online folder, enter the site URL, and then select Combine& Load.
- B. Get data from a SharePoint Online list and enter the site UR
- C. Edit the query and filter by the path to the manufacturing reports library.
- D. Get data from a SharePoint Online folder and enter the site UR
- E. Edit the query and filter by the path to the manufacturing reports library.
- F. Get data from a SharePoint Online list, enter the site URL, and then select Combine & Load.

**Answer:** B

**Explanation:**

We have to import Excel files from SharePoint, so we need the connector SharePoint folder which is used to get access to the files stored in the library. SharePoint list is a collection of content that has rows and columns (like a table) and is used for task lists, calendars, etc. Since we have to filter only on manufacturing reports, we have to select Transform and then filter by the corresponding folder path.

<https://docs.microsoft.com/en-us/power-query/connectors/sharepointlist>

**NEW QUESTION 282**

DRAG DROP - (Topic 4)

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.

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

A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

FILTER | AND | CALCULATE

#### NEW QUESTION 284

- (Topic 4)

You embed a Power BI report in a Microsoft SharePoint Online page.

A user name User1 can access the SharePoint Online page, but the Power BI web part displays the following error message: “This content isn’t available”.

User1 is unable to view the report.

You verify that you can access the SharePoint Online page and that the Power BI report displays as expected.

You need to ensure that User1 can view the report form SharePoint Online. What should you do?

A. Publish the app workspace.  
B. Edit the settings of the Power BI web part.  
C. Modify the members of the app workplace.  
D. Share the dashboards in the app workspace.

**Answer:** C

**Explanation:**

References: <https://docs.microsoft.com/en-us/power-bi/service-embed-report-spo>

#### NEW QUESTION 285

HOTSPOT - (Topic 4)

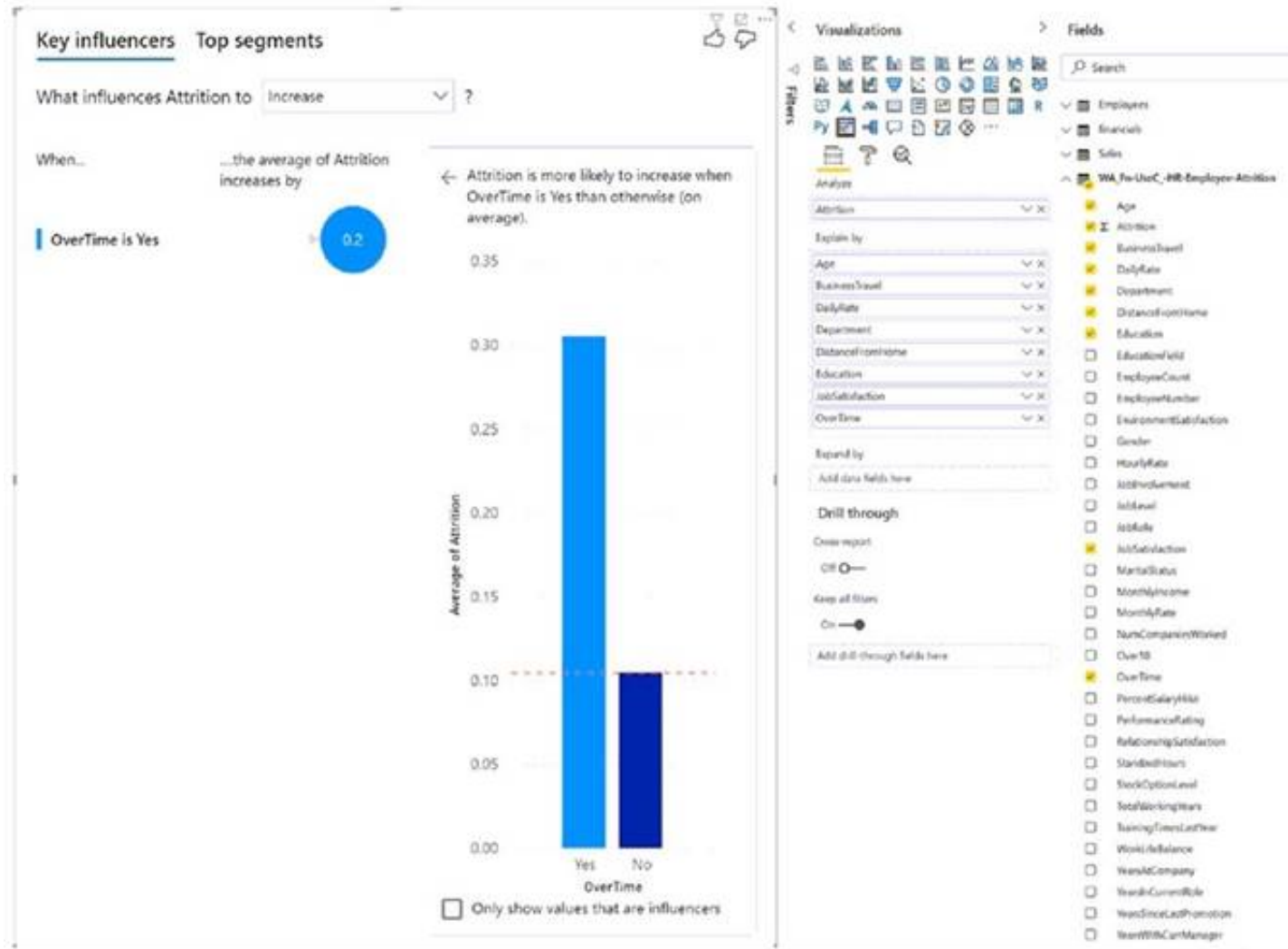
You have a report in Power BI Desktop.

You add a key influencers visual as shown in the exhibit. (Click the Exhibit tab.)

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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

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

- A. Mastered
- B. Not Mastered

Answer: A

#### Explanation:

- adding more fields to Explain By
- 3

<https://learn.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-influencers?tabs=powerbi-desktop>

#### NEW QUESTION 289

- (Topic 4)

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 and the Calendar Year is 2020.
- B. The user will see data for which the State Province value is Kentucky or the Calendar Year is 2020.
- C. The user will see only data for which the State Province value is Kentucky.
- D. The user will receive an error and will not be able to see the data in the report.

Answer: B

#### Explanation:

When a report user is assigned to multiple roles, RLS filters become additive. It means report users can see table rows that represent the union of those filters.

Reference:

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

#### NEW QUESTION 293

DRAG DROP - (Topic 4)

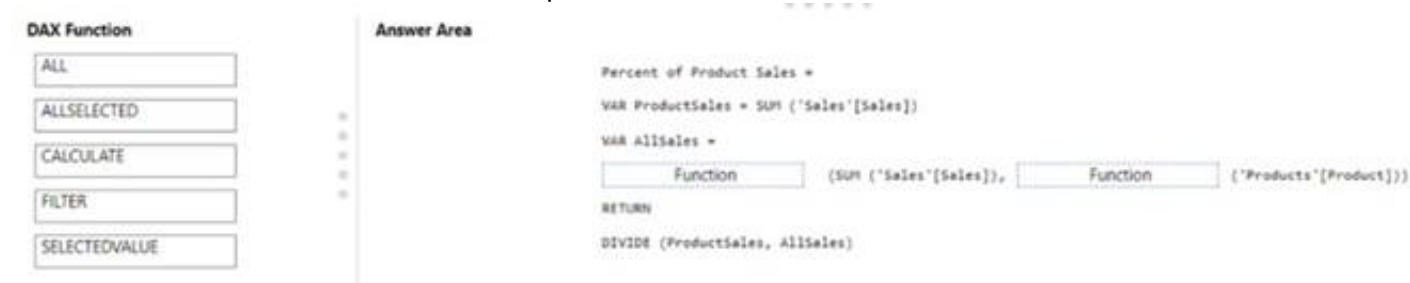
You have a Power BI data model that contains two tables named Products and Sales. A one-to-many relationship exists between the tables.

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 the spirit bar between panes or scroll to view content

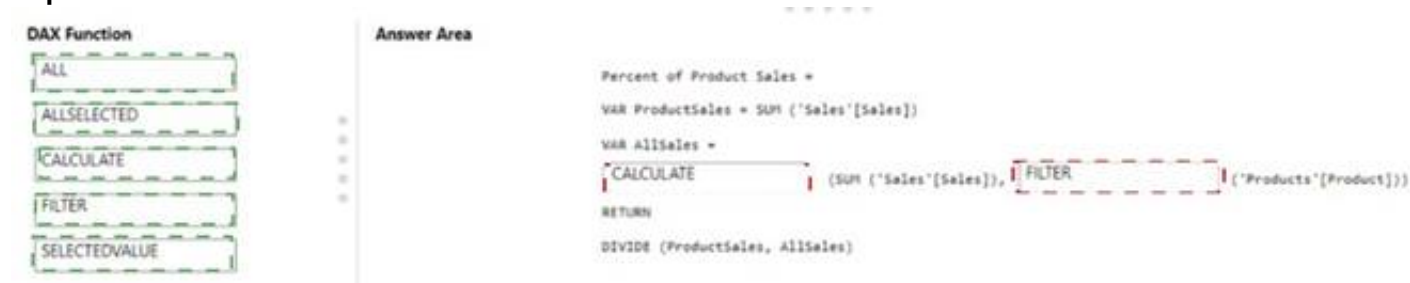
NOTE: Each correct selection is worth one point



- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**



#### NEW QUESTION 295

- (Topic 4)

You have a prospective customer list that contains 1,500 rows of data. The list contains the following fields:

- ? First name
- ? Last name
- ? Email address
- ? State/Region
- ? Phone number

You import the list into Power Query Editor.

You need to ensure that the list contains records for each State/Region to which you want to target a marketing campaign.

Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Open the Advanced Editor.
- B. Select Column quality.
- C. Enable Column profiling based on entire dataset.
- D. Select Column distribution.
- E. Select Column profile.

**Answer: CE**

**Explanation:**

In Power query, the load preview by default is 1000 row. By default, the column quality also only looks at the first 1000 row. You can verify this by the status bar at the bottom of the Power query window. To change the profiling so it analyses the entire column of data, select the profiling status in the status bar. Then select Column profiling based on the entire data set.

<https://theexcelclub.com/data-profiling-views-in-power-query-excel-and-power-bi/>

#### NEW QUESTION 296

- (Topic 4)

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

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

You have several reports and dashboards in a workspace.

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

Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

#### NEW QUESTION 297

- (Topic 4)

You create a report by using Microsoft Power BI Desktop.

The report uses data from a Microsoft SQL Server Analysis Services (SSAS) cube located on your company's internal network.

You plan to publish the report to the Power BI Service.

What should you implement to ensure that users who consume the report from the Power BI Service have the most up-to-date data from the cube?

- A. a subscription
- B. a scheduled refresh of the dataset
- C. an OData feed
- D. an On-premises data gateway

Answer: D

Explanation:

When you've created dynamic reports in Power BI Desktop, you can share them by publishing to your Power BI site. When you publish a Power BI Desktop file with a live connection to a tabular model to your Power BI site, an on-premises data gateway must be installed and configured by an administrator.

NEW QUESTION 298

DRAG DROP - (Topic 4)

You plan to use Power BI to create a quarterly profit report that meets the following requirements:

- Emphasizes the percentage of total profits contributed by each product category in dollars and as a percentage
- Compares profit margins across sales regions

Which type of visual should you use for each requirement? To answer, drag the appropriate visuals to the correct requirements. Each visual 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.

Visuals

Area chart

Funnel chart

Multi-row card

Pie chart

Stacked bar chart

Answer Area

Emphasizes the percentage of total profits contributed by each product category:

Compares profit margins across sales regions:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Visuals

Area chart

Funnel chart

Multi-row card

Pie chart

Stacked bar chart

Answer Area

Emphasizes the percentage of total profits contributed by each product category:

Pie chart

Compares profit margins across sales regions:

Stacked bar chart

NEW QUESTION 301

- (Topic 4)

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

Answer: A

Explanation:

From Power Query.. highlight the column.. from the tab view select Column Profile Option.. in the Value distribution section that appears below, from the 3dots.. you can change to group by text length distribution

NEW QUESTION 304

DRAG DROP - (Topic 4)

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.



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

**Actions**

Select the Month and MonthNumber columns.

Select **Transpose**.

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

Select **Unpivot other columns**.

Select the 2019, 2020, and 2021 columns.

**Answer Area**

- A. Mastered  
 B. Not Mastered

**Answer: A**

**Explanation:**

**Actions**

Select the Month and MonthNumber columns.

Select **Transpose**.

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

Select **Unpivot other columns**.

Select the 2019, 2020, and 2021 columns.

**Answer Area**

Select the 2019, 2020, and 2021 columns.

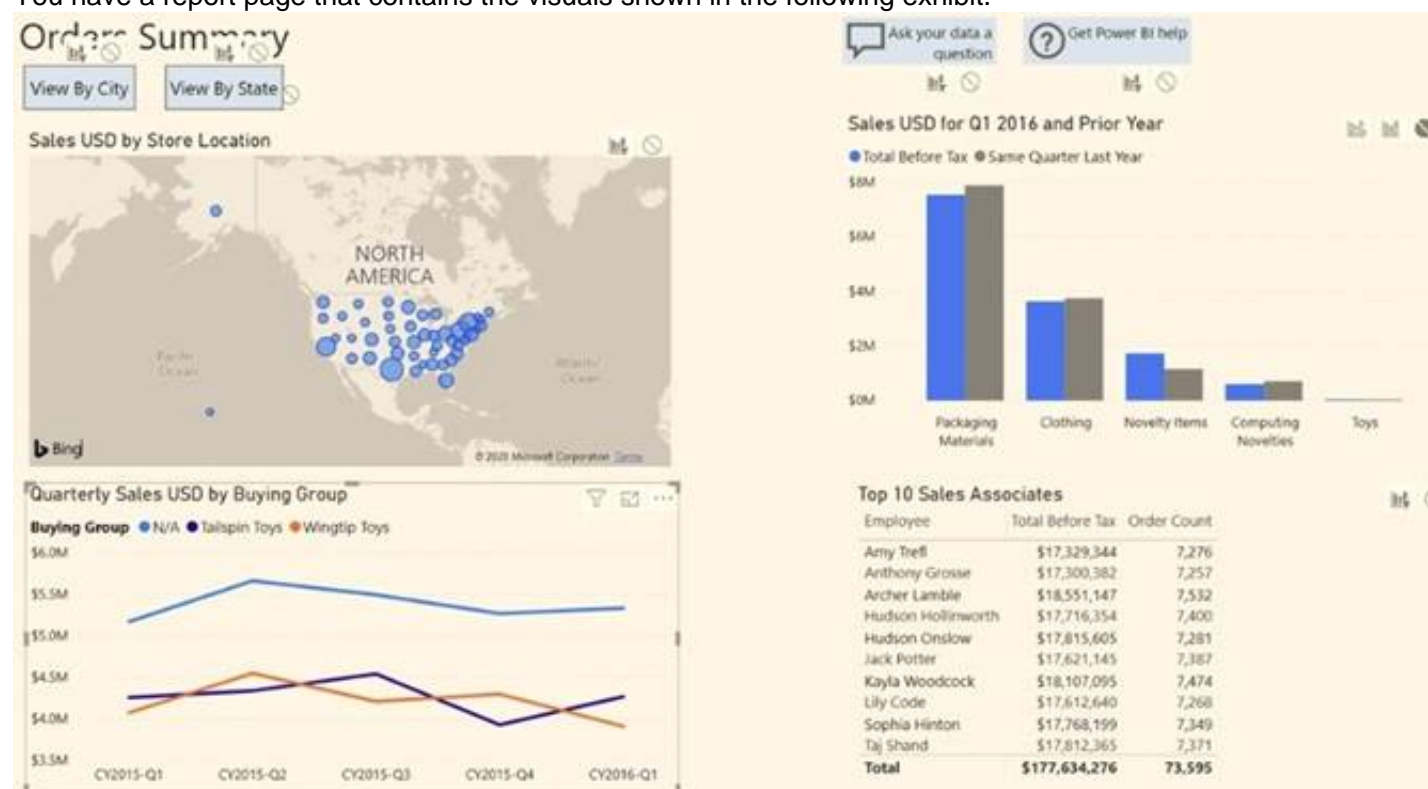
Select **Unpivot other columns**.

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

**NEW QUESTION 307**

HOTSPOT - (Topic 4)

You have a report page that contains the visuals shown in the following exhibit.



Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic. NOTE: Each correct selection is worth one point.

**Answer Area**

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

- cross-filter  
 cross-highlight  
 not affect

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

- cross-filter  
 cross-highlight  
 not affect

- A. Mastered



B. Not Mastered

**Answer:** A

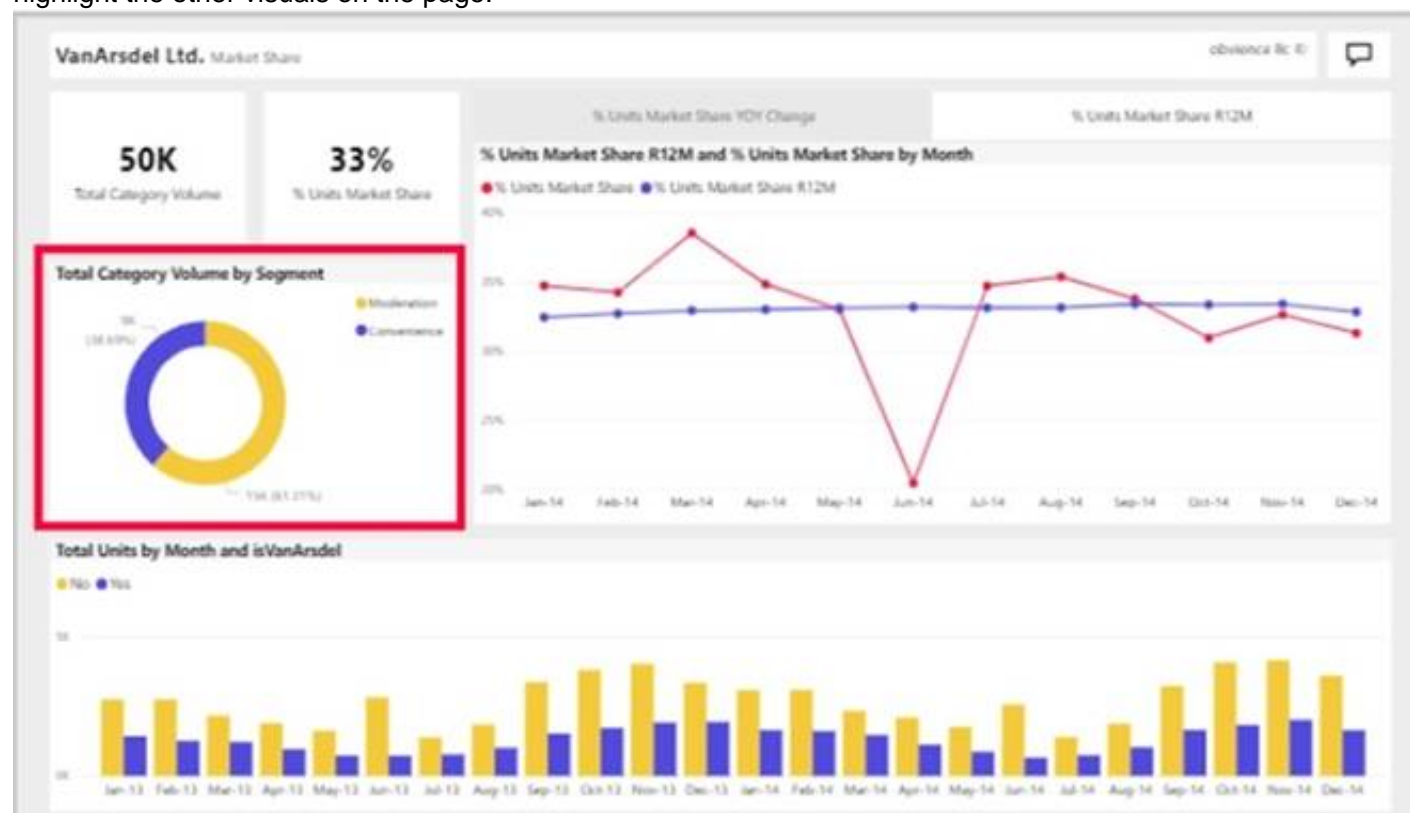
**Explanation:**

Box 1: cross-filter

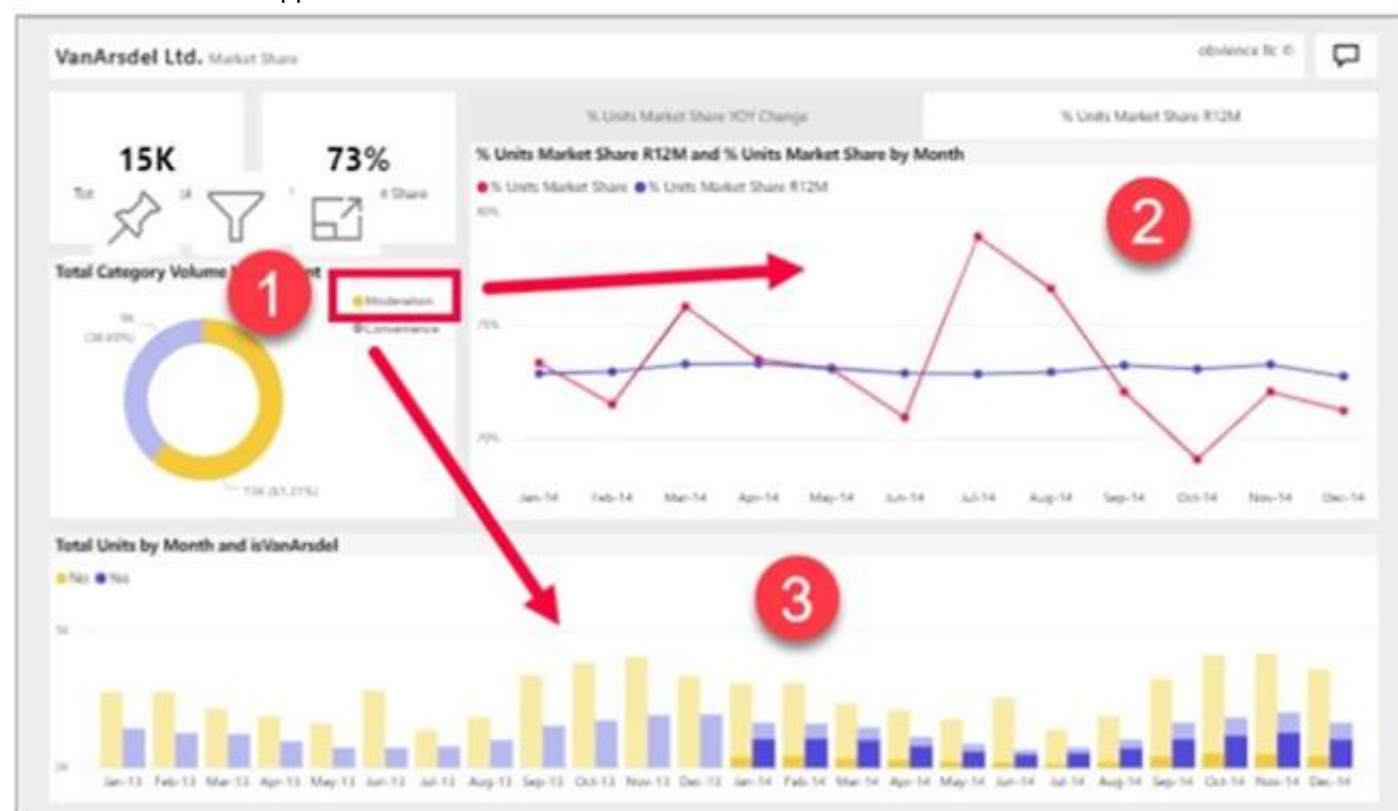
By default, selecting a data point in one visual on a report page will cross-filter or cross- highlight the other visuals on the page.

Box 2: cross-highlight Example:

By default, selecting a data point in one visual on a report page will cross-filter or cross-highlight the other visuals on the page.



\* 1. Let's see what happens when we select Moderation.



\* 2. Cross-filtering removes data that doesn't apply. Selecting Moderation in the doughnut chart cross-filters the line chart. The line chart now only displays data points for the Moderation segment.

\* 3. Cross-highlighting retains all the original data points but dims the portion that does not apply to your selection. Selecting Moderation in the doughnut chart cross-highlights the column chart. The column chart dims all the data that applies to the Convenience segment and highlights all the data that applies to the Moderation segment.

**NEW QUESTION 308**

- (Topic 4)

You have a Power BI report named Report1 and a dashboard named Dashboard1. Report1 contains a line chart named Sales by month.

You pin the Sales by month visual to Dashboard1.

In Report1, you change the Sales by month visual to a bar chart. You need to ensure that the bar chart displays on Dashboard1. What should you do?

- A. Refresh the dataset used by Report1 and Dashboard1.
- B. Select Refresh visuals for Dashboard1.
- C. Edit the details for the dashboard tile Of Dashboard1.
- D. Pin the Sales by month bar chart to Dashboard1.

**Answer:** A

**NEW QUESTION 309**

- (Topic 4)

You open a query in Power Query Editor.

You need to identify the percentage of empty values in each column as quickly as possible. Which Data Preview option should you select?

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

**Answer:** D

**Explanation:**

Column quality: In this section, we can easily see valid, Error and Empty percentage of data values associated with the Selected table.

Note: In Power Query Editor, Under View tab in Data Preview Section we can see the following data profiling functionalities:

? Column quality

? Column distribution

? Column profile

Reference:

<https://community.powerbi.com/t5/Community-Blog/Data-Profiling-in-Power-BI-Power-BI-Update-April-2019/ba-p/674555>

**NEW QUESTION 311**

- (Topic 4)

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

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

You have a Power BI 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

**Answer:** B

**Explanation:**

You can reference an inactive relationship with DAX function USERELATIONSHIP(), but using DAX is not mentioned here.

So follow this refactory methodology:

Create a copy of the role-playing table, providing it with a name that reflects its role. If it's an Import table, we recommend defining a calculated table. If it's a DirectQuery table, you can duplicate the Power Query query.

Source: <https://learn.microsoft.com/en-us/power-bi/guidance/relationships-active-inactive>

**NEW QUESTION 313**

- (Topic 4)

You need to create the On-Time Shipping report.

The report must include a visualization that shows the percentage of late orders. Which type of visualization should you create?

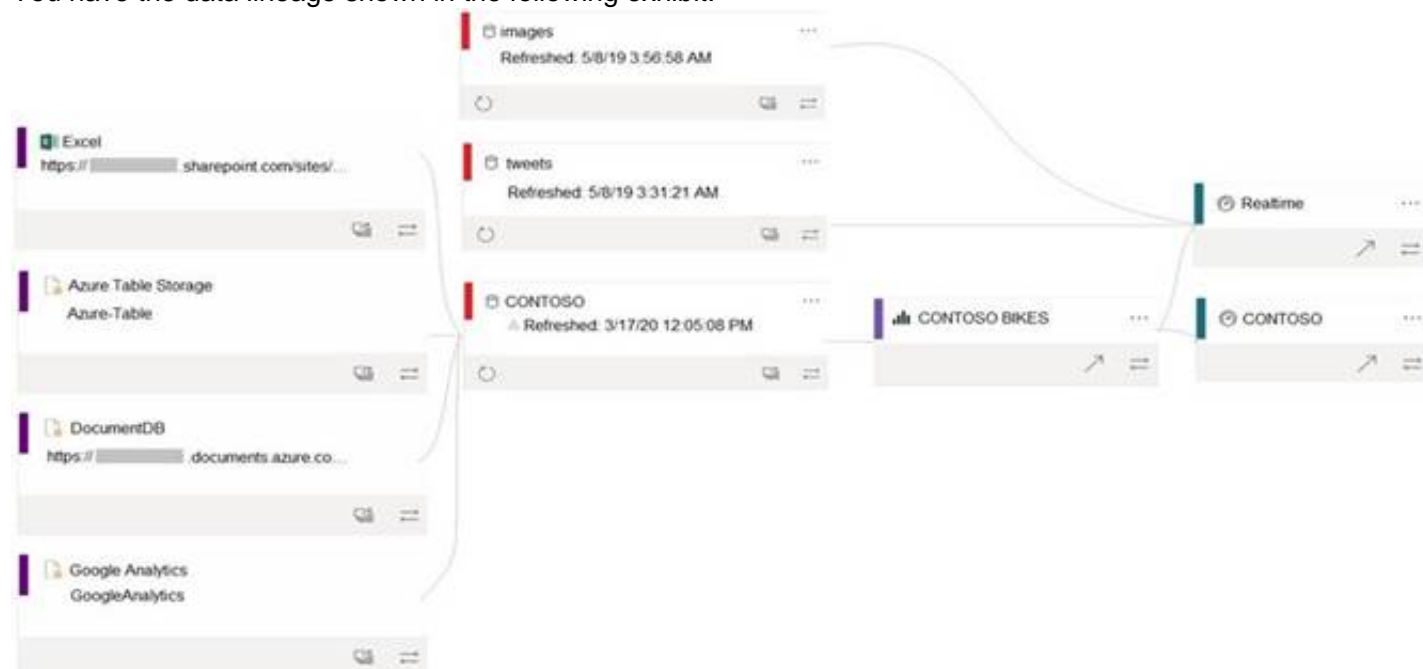
- A. scatterplot
- B. bar chart
- C. piechart

**Answer:** B

**NEW QUESTION 314**

HOTSPOT - (Topic 4)

You have the data lineage 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.

The CONTOSO dataset is consumed directly by the

▼

CONTOSO BIKES report

CONTOSO dashboard

Realtime dashboard

The Realtime dashboard depends on

▼

one dataset

two datasets

three datasets

four datasets

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: CONTOSO BIKES report Box 2: three datasets  
 Images, tweets and the Contoso datasets.

**NEW QUESTION 317**

- (Topic 4)

You have a Power BI report that contains the visuals shown in the following table.

Type	Horizontal coordinate	Vertical coordinate
Table	300	200
Clustered column chart	700	200
Slicer	20	100

You need to modify the location of each visual. What should you modify for each visual?

- A. the layer order
- B. the padding
- C. the position
- D. the tab order

**Answer:** C

**NEW QUESTION 318**

- (Topic 4)

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

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

What should you recommend?

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

**Answer:** C

**Explanation:**

Use different work stages (Development, Test, and Production). Deploy from the Development workspace.

Reference:

<https://visualbi.com/blogs/microsoft/powerbi/application-lifecycle-management-power-bi/>

**NEW QUESTION 322**

- (Topic 4)

You create a dataset sourced from dozens of flat files in Azure Blob storage. The dataset uses incremental refresh.

From powerbi.com, you deploy the dataset and several related reports to Microsoft Power BI Premium capacity.

You discover that the dataset refresh fails after the refresh runs out of resources. What is a possible cause of the issue?

- A. Query folding is not occurring.
- B. You selected Only refresh complete periods.

- C. The data type of the column used to partition the data changed.
- D. A filter is missing on the report.

Answer: A

**Explanation:**

The Power BI service partitions data based on date range. This is what enables only certain partitions to be refreshed incrementally. To make this work, the partition filter conditions are pushed down to the source system by including them in the queries. Using Power Query terminology, this is called “query folding”. It is not recommended that incremental refresh is used when the required query folding cannot take place.

Reference:

<https://powerbi.microsoft.com/en-us/blog/incremental-refresh-query-folding/>

**NEW QUESTION 327**

- (Topic 4)

Remove unused columns from tables in the data model. This will reduce the size of your PBIX file and make your data model more efficient. You can use Power Query Editor to remove any columns that are not used in your report or calculations.

Month	2020	2021
Valid 100%	Valid 100%	Valid 100%
Error 0%	Error 0%	Error 0%
Empty 0%	Empty 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

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

- \* Month
- \* Sales
- \* Year

What should you select in Power Query Editor?

- A. Pivot column
- B. Merge columns
- C. Unpivot columns.
- D. Transpose

Answer: C

**Explanation:**

This will convert your column headers (Jan-20, Feb-20,...) into row values under a new column called Attribute. You can then rename this column as Month and change its data type to Date. You will also have a new column called Value that contains the sales amounts for each month. You can rename this column as Sales and change its data type to Decimal Number.

**NEW QUESTION 330**

- (Topic 4)

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

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

C. `PATH(Employee[EmployeeID],Employee[ParentEmployeeID])`

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

- A. Option A  
B. Option B  
C. option C  
D. Option D

**Answer:** B

#### NEW QUESTION 331

DRAG DROP - (Topic 4)

You have a Power BI workspace that contains a single-page report named Sales.

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

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	Answer Area
Pin the page.	
Open the Sales report.	
Open Power BI Desktop.	
Pin each visual.	
Open powerbi.com.	
Create a new report.	

- A. Mastered  
B. Not Mastered

**Answer:** A

#### Explanation:

Open powerbi.com  
Select sales report  
Pin the page

#### NEW QUESTION 332

- (Topic 4)

In the Power BI service, you create an app workplace that contains several dashboards.

You need to provide a user named user1@contoso.com with the ability to edit and publish dashboards.

What should you do?

- A. Modify the members of the app workspace.  
B. Configure security for the dataset used by the app.  
C. Share the dashboard, and then modify the Access settings of the dashboard.  
D. From the app workspace, click Update app, and then configure the Access settings.

**Answer:** C

#### NEW QUESTION 334

DRAG DROP - (Topic 4)

You have a Power BI model that contains a table named Sales. Sales has the following three measures:

? A measure named Total Sales Last Year that displays the sales from the previous calendar year. The current value is 32.89 million.

? A measure named Total Sales This Year that displays the sales from the current calendar year. The current value is 11.69 million.

? A measure named Total Sales Difference that uses a DAX formula of Sales[Last Year] – Sales[This Year].

You need to create the following visualization.



How should you configure the visualization? To answer, drag the appropriate measures to the correct fields. 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.

Measures

- Total Sales Difference
- Total Sales Last Year
- Total Sales This Year

Answer Area

Value:

Maximum value:

Target value:

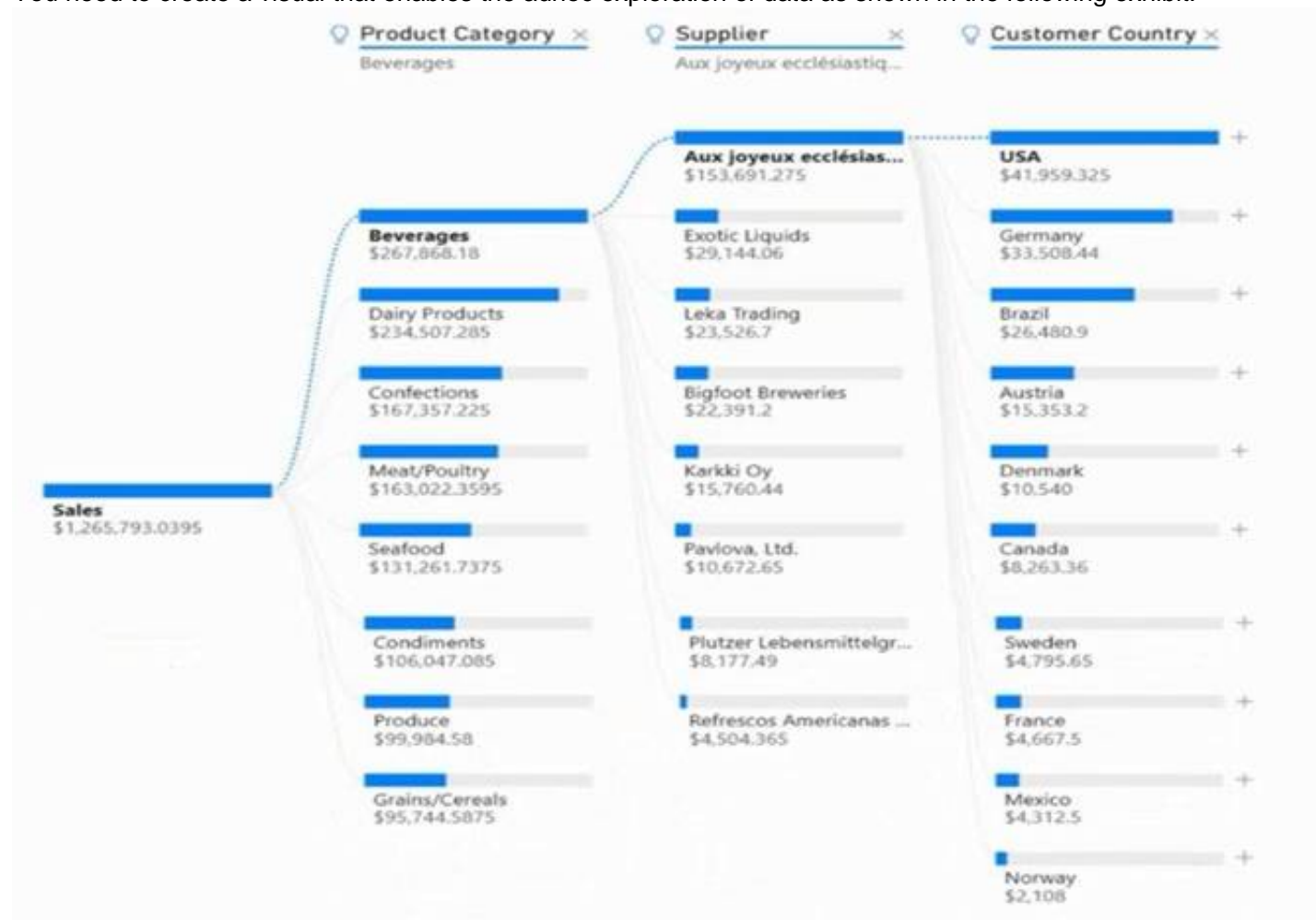
- A. Mastered
- B. Not Mastered

Answer: A

Explanation:  
<https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-radial-gauge-charts>

NEW QUESTION 339

- (Topic 4)  
You need to create a visual that enables the adhoc exploration of data as shown in the following exhibit.



Which type of visual should you use?

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

Answer: B

NEW QUESTION 342

- (Topic 4)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.  
After you answer a question in this scenario, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.  
You have a clustered bar chart that contains a measure named Salary as the value and a field named Employee as the axis. Salary is present in the data as numerical amount representing US dollars.  
You need to create a reference line to show which employees are above the median salary.  
Solution: You create a percentile line by using the Salary measure and set the percentile to 50%.  
Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

**Explanation:**

The 50th percentile is also known as the median or middle value where 50 percent of observations fall below.  
Reference:  
[https://dash-intel.com/powerbi/statistical\\_functions\\_percentile.php](https://dash-intel.com/powerbi/statistical_functions_percentile.php)

**NEW QUESTION 347**

HOTSPOT - (Topic 4)

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

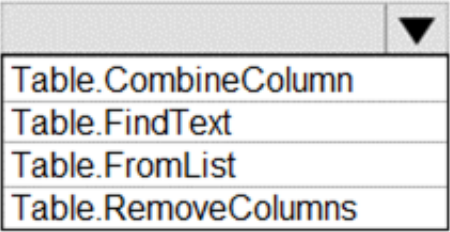
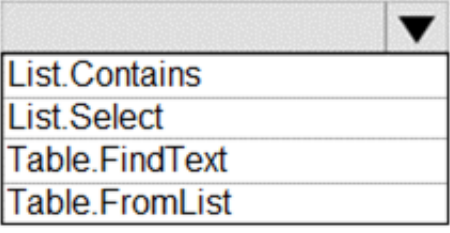
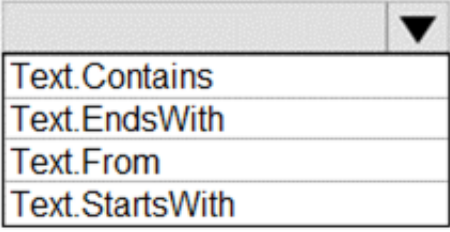
- ? client\_notified\_timestamp
- ? client\_notified\_source
- ? client\_notified\_sourceid
- ? client\_notified\_value
- ? client\_responded\_timestamp
- ? client\_responded\_source
- ? client\_responded\_sourceid
- ? client\_responded\_value

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

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

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

NOTE: Each correct selection is worth one point.

```
let
    Source = ...,
    rawData = Source{[tableId= "clientData"]}[Data],
    removeSources =  (rawData,
         (Table.ColumnNames (rawData),
            each  (_, "sourceid")))
in
    removeSources
```

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Table.RemoveColumns

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

Box 2: List.Select Get a list of columns.

Box 3: Text.EndsWith

**NEW QUESTION 348**

HOTSPOT - (Topic 4)

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

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

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

NOTE: Each correct selection is worth one point.  
Sales PYTD =

```
VAR startyear =  
  
    STARTOFYEAR ( PREVIOUSYEAR ( 'Date' [Date] ) )  
  
VAR enddate =  
  
    LASTDATE ( Sales[Date] ) - 365  
  
RETURN  
  
    ( Sales[Sales] ),  
    CALCULATE (  
        DATESBETWEEN (  
            SAMEPERIODLASTYEAR (  
                SLIM (  
  
                    ( 'Calendar'[Date], startyear, enddate )  
  
                CALCULATE  
                DATESBETWEEN  
                SAMEPERIODLASTYEAR  
                SLIM  
  
            )  
        )  
    )
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:  
Sales PYTD =

```
VAR startyear =  
  
    STARTOFYEAR ( PREVIOUSYEAR ( 'Date' [Date] ) )  
  
VAR enddate =  
  
    LASTDATE ( Sales[Date] ) - 365  
  
RETURN  
  
    ( Sales[Sales] ),  
    CALCULATE ( |  
        DATESBETWEEN (  
            SAMEPERIODLASTYEAR (  
                SLIM (  
  
                    ( 'Calendar'[Date], startyear, enddate )  
  
                CALCULATE  
                DATESBETWEEN |  
                SAMEPERIODLASTYEAR  
                SLIM  
  
            )  
        )  
    )
```

NEW QUESTION 349

- (Topic 4)  
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. `TOTALYTD (SUM(Sales[Sales]), dimDate[Date] )`
- B. `Calculate (SUM(Sales[Sales]), SAMEPERIODOLASTYEAR(dimDate[Date] ) )`
- C. `SUM(Sales[Sales])`
- D. `Calculate (SUM(Sales[Sales]), PREVIOUSYEAR( dimDate[Date]))`

- A. Option A  
B. Option B  
C. option C  
D. Option D

**Answer:** B

#### NEW QUESTION 354

DRAG DROP - (Topic 4)

You have a Power BI table named Customer that contains a field named Email Address. You discover that multiple records contain the same email address.

You need to create a calculated column to identify which records have duplicate email addresses.

How should you complete the OAX expression for the calculated column? 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.

Values	Answer Area
ALL	<pre>Count Email = VAR Email = [Email Address] RETURN     (          (Customer),         (Customer),         Customer[Email Address] = Email     )</pre>
CALCULATE	
COUNTROWS	
EVALUATE	
SUM	
SUMX	

- A. Mastered  
B. Not Mastered

**Answer:** A

#### Explanation:

You are to count the number of rows having same email address.

- \* 1. Declare a variable and call it any name you prefer
  - \* 2. Calculate the row count on the table
  - \* 3. Apply filter to ALL of the values in the table under the column name email address and equate it to the variable.
- You may need to read up filter functions for a proper understanding of how it works.

#### NEW QUESTION 356

DRAG DROP - (Topic 4)

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

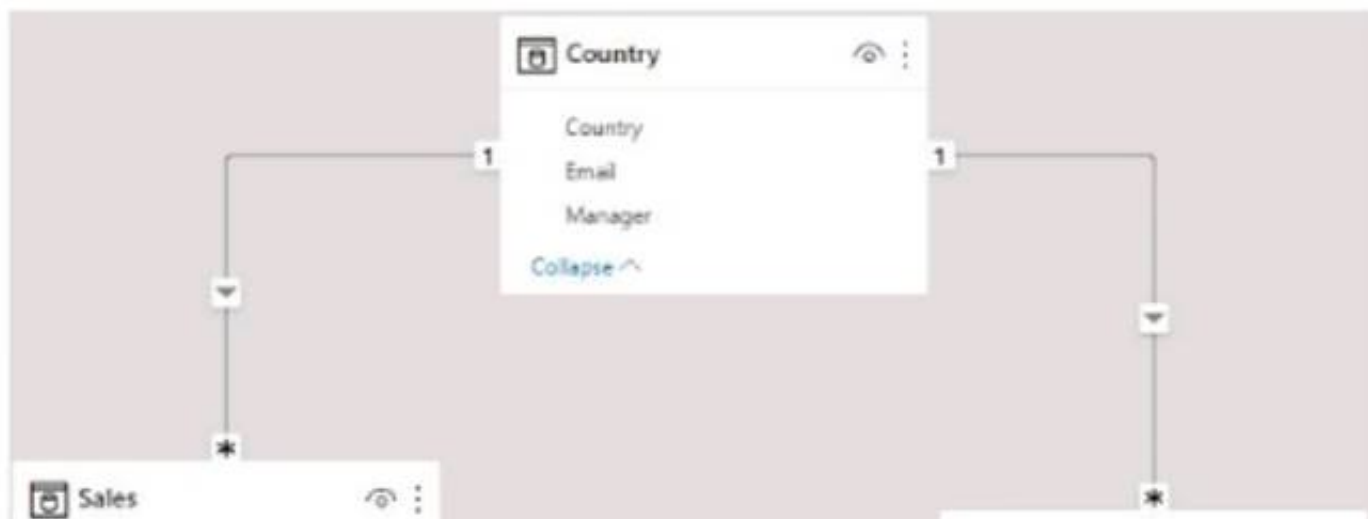


Table Filter DAX Expression	
[Country] = "USA"	
[Email] = userprincipalname()	
[Manager] = "CFO"	
False()	
True()	

Answer Area

Human Resources	
	DAX Expression

Country	
	DAX Expression

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Table Filter DAX Expression	
[Country] = "USA"	
[Email] = userprincipalname()	
[Manager] = "CFO"	
False()	
True()	

Answer Area

Human Resources	
[Manager] = "CFO"	

Country	
True()	

### NEW QUESTION 358

- (Topic 4)

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

**Answer:** D

**Explanation:**

<https://www.sqlbi.com/articles/header-detail-vs-star-schema-models-in-tabular-and-power-bi/>

### NEW QUESTION 361

- (Topic 4)

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

**Answer:** A

### NEW QUESTION 363

HOTSPOT - (Topic 4)

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

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

**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

**NEW QUESTION 364**

- (Topic 4)

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 a historic employee counts and predicts trends during the next six months.

Which type of visualization should you use?

- A. scatter chart
- B. ribbon chart
- C. line chart
- D. key influences

**Answer: C**

**Explanation:**

The best data for forecasting is time series data or uniformly increasing whole numbers. The line chart has to have only one line.

Try forecasting: Try the new forecasting capabilities of Power View today on your own data or with the sample report available as part of the Power BI report samples. To view your own data, upload a workbook with a Power View time series line chart to Power BI for Office 365.

Reference:

<https://powerbi.microsoft.com/en-us/blog/introducing-new-forecasting-capabilities-in-power-view-for-office-365>

**NEW QUESTION 366**

- (Topic 4)

ion have a Power BI dataset that contains a table named Temperature Readings. Temperature Readings contains the columns shown in the following table.

Name	Data type	Value example
DateTime	DateTime	4-Aug-2020 13:30:01
Longitude	Decimal	10.049567988755534
Latitude	Decimal	53.462766759577057
TempCelsius	Decimal	12.5

The table has 12 million rows. All the columns are needed for analysis.

You need to optimize the dataset to decrease the model size. The solution must not affect the precision of the data.

What should you do?

- A. Split the DateTime column into separate date and time columns.
- B. Disable the Power Query load.
- C. Round the Longitude column two decimal places.
- D. Change the data type of the TempCelsius column to Integer

**Answer: B**

**Explanation:**

Disable Power Query load.

Power Query queries that are intended support data integration with other queries should not be loaded to the model. To avoid loading the query to the model, take

care to ensure that you disable query load in these instances.  
Reference:  
<https://docs.microsoft.com/en-us/power-bi/guidance/import-modeling-data-reduction#disable-power-query-query-load>

**NEW QUESTION 368**

HOTSPOT - (Topic 4)

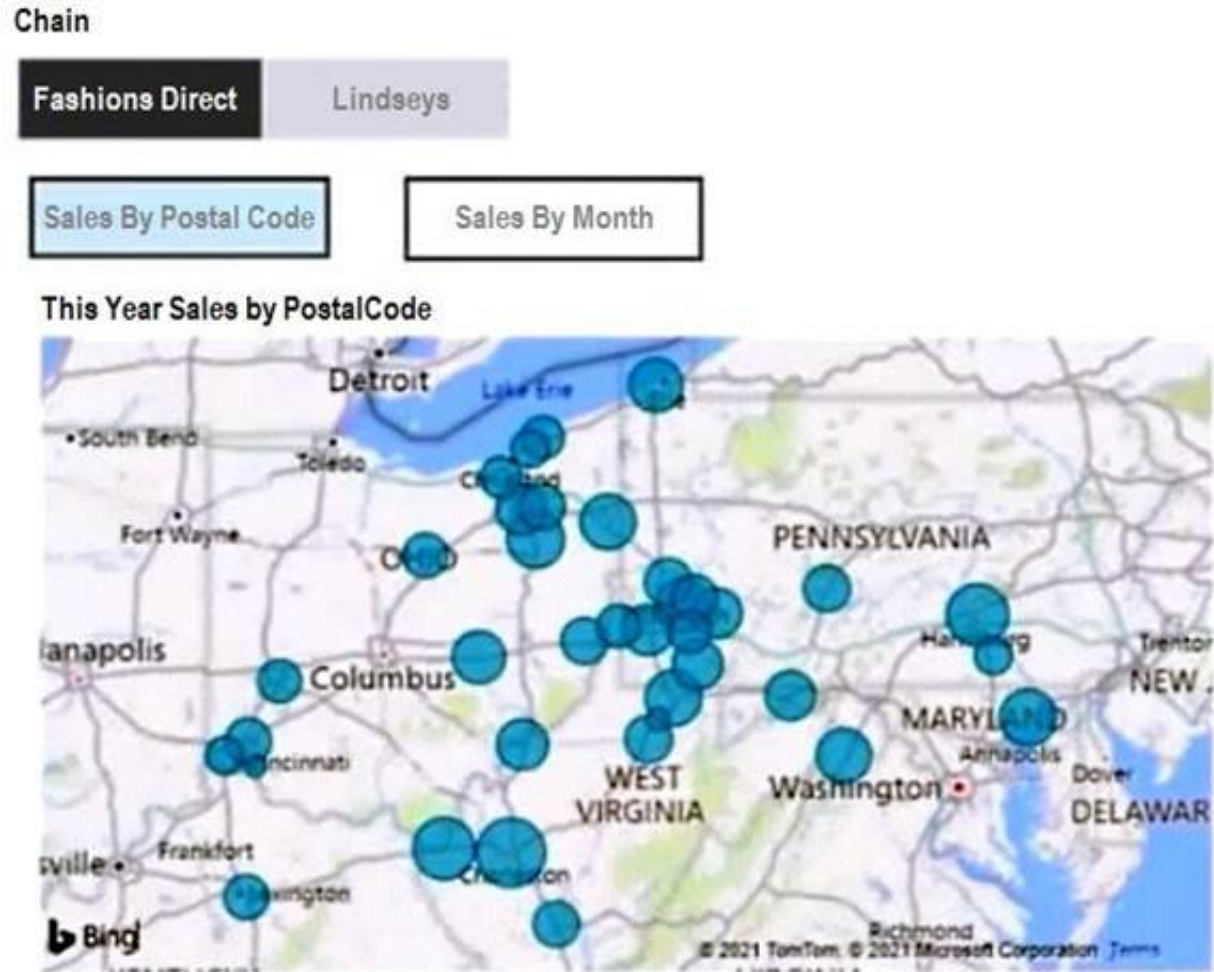
You need to create a Power BI report. The first page of the report must contain the following two views:

\*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.



Answer Area

Minimum number of bookmarks:

1
2
3
4

Property:

Data
Display
Current page

- A. Mastered
- B. Not Mastered

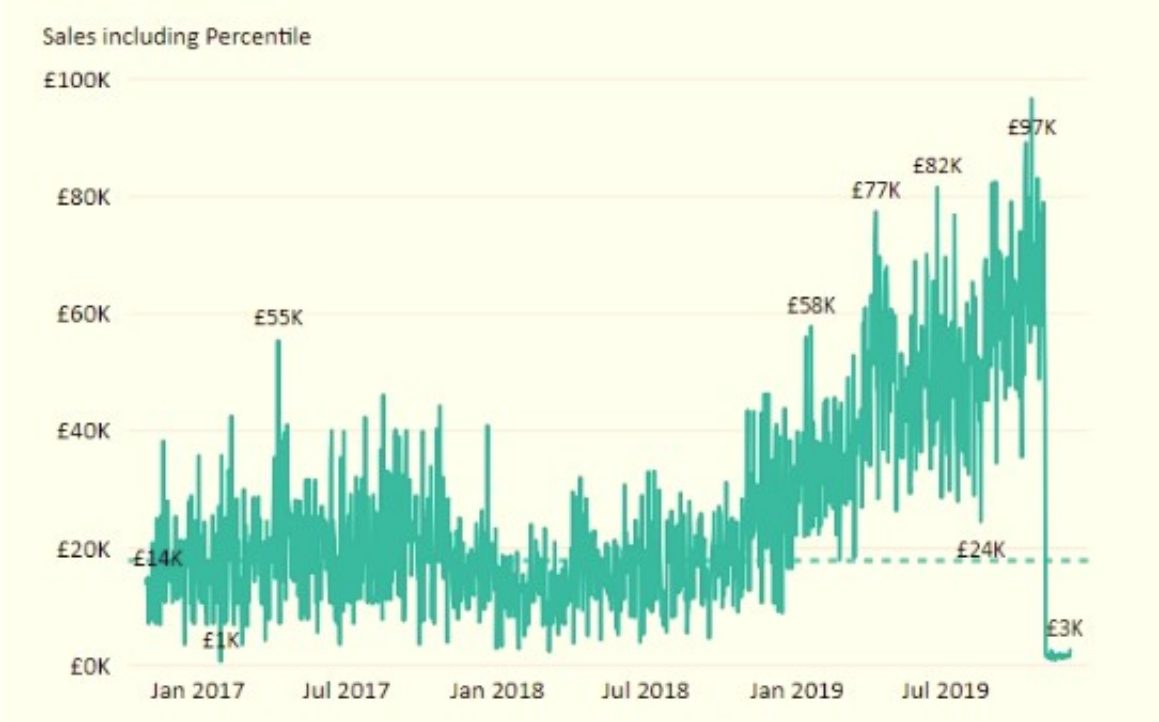
Answer: A

Explanation:

Box 1: 2  
Box 2: Display

NEW QUESTION 373

- (Topic 4)  
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. Create a horizontal line that has a fixed value of 24,000.
- B. Add a measure to the visual that uses the following DAX expressio
- C. Measure - PERCENTUEX.EXC (Sales,Sales[Total Sales],@.40)
- D. Add a new percentile line that uses Total Sales as the measure and 40% as thepercentile.
- E. Add a measure to the visual that uses the following DAX expressio
- F. Measure = PERCENTILEX.INC (Sales,Sales[Total Sales],6.40)

Answer: C

Explanation:

The analytics feature enables you to show percentiles across groups specified along a specific axis.  
Example:  
\* 1. Click on the analytics tab  
\* 2. Select Percentile  
\* 3. You can choose a specific percentile along with other formatting options.  
\* 4. Drag a date or non-numeric dimension into the Axis of a column chart

Constant Line

Analytics

Min Line

1

Max Line

1

Average Line

Median Line

Percentile Line

1

Percentile Line

1

myPercentile

×

+ Add

Measure

Revenue

Perc..

90 %

Color

Add percentile lines to monitor daily revenue



NEW QUESTION 377

- (Topic 4)

You import a large dataset to Power Query Editor.

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

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

NOTE: Each correct selection is worth one point

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

E. Monospaced

**Answer:** AD

**NEW QUESTION 380**

.....

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