



# Microsoft

## Exam Questions PL-300

Microsoft Power BI Data Analyst

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NEW QUESTION 1

- (Exam Topic 1)

You merge data from Sales.Region, Region\_Manager, Sales\_Manager, and Manager into a single table named Region. What should you do next to meet the reporting requirements of the executives?

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

Answer: C

NEW QUESTION 2

- (Exam Topic 1)

You need to create a calculated column to display the month based on the reporting requirements. Which DAX expression should you use?

- A. FORMAT('Date'[date], "MMM YYYY")
- B. FORMAT('Date' [date], "M YY")
- C. FORMAT('Date'[date\_id], "MMM") & "" & FORMAT('Date'[year], "#")
- D. FORMAT('Date' [date\_id], "MMM YYYY")

Answer: A

NEW QUESTION 3

- (Exam 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:

Graphical user interface, text, application, email Description automatically generated

NEW QUESTION 4

- (Exam Topic 1)

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

- A. a measure that uses a formula of SUM (Sales [sales\_id])
- B. a calculated column that use a formula of COUNTA(sales [sales\_id])
- C. a measure that uses a formula of COUNTROWS (Sales)
- D. a calculated column that uses a formula of SUM (Sales [sales\_id])

Answer: C

Explanation:

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

The COUNTROWS function counts the number of rows in the specified table, or in a table defined by an expression.

Reference:

<https://docs.microsoft.com/en-us/dax/countrows-function-dax>

NEW QUESTION 5

- (Exam Topic 2)

Once the profit and loss dataset is created, which four actions should you perform in sequence to ensure that the business unit analysts see the appropriate profit and loss data? 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**

- From powerbi.com, assign the analysts the Contributor role to the workspace.
- From powerbi.com, add role members to the roles.
- From Power BI Desktop, add a Table Filter DAX Expression to the roles.
- From Power BI Desktop, create four roles.
- From Power BI Desktop, publish the dataset to powerbi.com.

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**



<https://docs.microsoft.com/en-us/power-bi/admin/service-admin-rls> <https://docs.microsoft.com/en-us/power-bi/connect-data/service-datasets-build-permissions>

**NEW QUESTION 6**

- (Exam Topic 3)

You need to configure access for the sales department users. The solution must me 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 7**

- (Exam Topic 3)

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.

Create a 

▼

 relationship between the Sales Employees table and the 

▼

one-to-one

one-to-many

many-to-one

many-to-many

Orders table

Suppliers table

Order Details table

Customer Details worksheet

- A. Mastered

B. Not Mastered

**Answer:** A

**Explanation:**

Text Description automatically generated

Box 1: many-to-one

Each employee in the Sales Employees table is assigned to one sales region. Multiple employees can be assigned to each region.

The Suppliers table has a Region column. Box 2: Suppliers table

**NEW QUESTION 8**

- (Exam 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 9**

- (Exam Topic 3)

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.

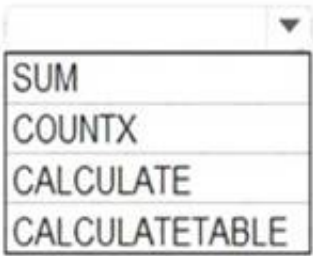
NOTE: Each correct selection is worth one point.

Late Orders Percent =


VAR OrderCount =

COUNTROWS ( 'Orders' )

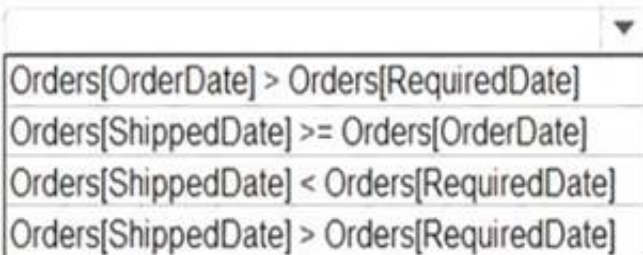
VAR LateOrders =



COUNTROWS ( 'Orders' ),



(Order,



)

RETURN

DIVIDE ( LateOrders, OrderCount )

A. Mastered

B. Not Mastered

**Answer:** A

**Explanation:**

Graphical user interface, application Description automatically generated

Box 1: CALCULATE

CALCULATE evaluates an expression in a modified filter context. Syntax: CALCULATE(<expression>[, <filter1> [, <filter2> [, ...]]]) Expression - The expression to be evaluated.

filter1, filter2,... (Optional) Boolean expressions or table expressions that defines filters, or filter modifier functions.

Box 2: FILTER

FILTER returns a table that represents a subset of another table or expression. Syntax: FILTER(<table>,<filter>)

Table- The table to be filtered. The table can also be an expression that results in a table.



Filter - A Boolean expression that is to be evaluated for each row of the table. For example, [Amount] > 0 or [Region] = "France"  
Box 3: Orders[ShippedDate]> Orders[RequiredDate]  
Northwind Traders defines late orders as those shipped after the required shipping date. Reference:  
<https://docs.microsoft.com/en-us/dax/calculate-function-dax> <https://docs.microsoft.com/en-us/dax/filter-function-dax>

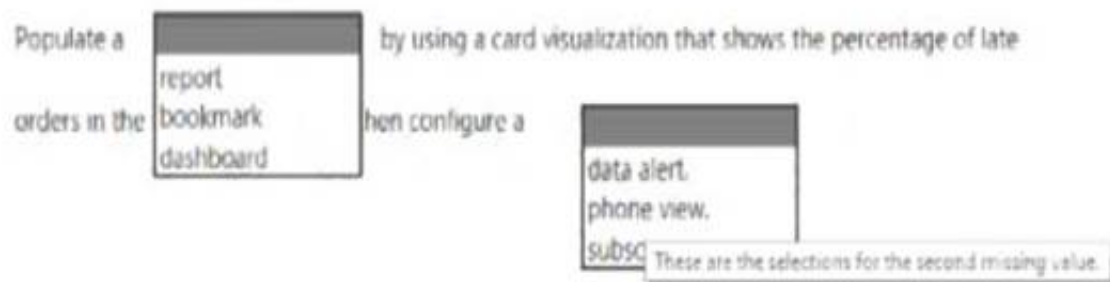
NEW QUESTION 10

- (Exam Topic 3)

You need to create a solution to meet the notification requirements of the warehouse shipping department. What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct select is worth one point:

Answer Area

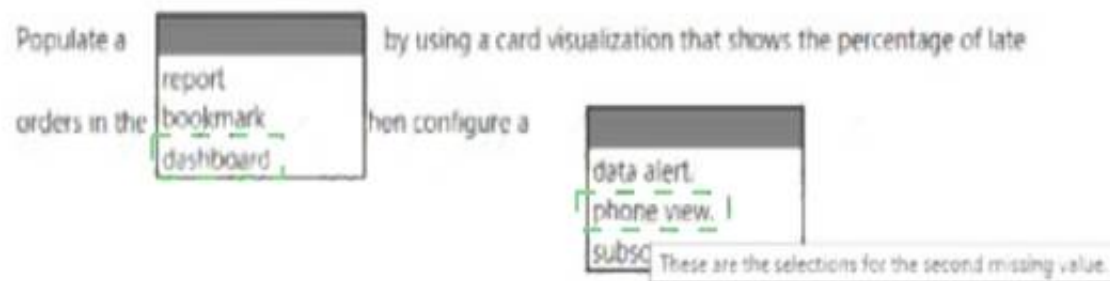


- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 10

- (Exam 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 11

- (Exam 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 13**

- (Exam Topic 4)

You have a power BI tenant that hosts the datasets shown in the following table.

Name	Contents	Used to generate
Sales	Sales targets Sales data Employee salary data	Daily performance reports Quarterly reports used to calculate bonuses
Operations	Environmental sensor data	Reports that show average sensor readings over time
Finance	Financial transaction data	Budget planning reports Monthly board reports

You have the following requirements:

- The export of reports that contain Personally Identifiable Information (PII) must be prevented.
- Data used for financial decisions must be reviewed and approved before use.

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 Sales dataset requires a sensitivity label.	<input type="radio"/>	<input type="radio"/>
The Operations dataset requires a sensitivity label and must be certified.	<input type="radio"/>	<input type="radio"/>
The Finance dataset requires a sensitivity label and must be certified.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

Statements	Yes	No
The Sales dataset requires a sensitivity label.	<input checked="" type="radio"/>	<input type="radio"/>
The Operations dataset requires a sensitivity label and must be certified.	<input type="radio"/>	<input checked="" type="radio"/>
The Finance dataset requires a sensitivity label and must be certified.	<input checked="" type="radio"/>	<input type="radio"/>

**NEW QUESTION 16**

- (Exam 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	1002813	1006482	1007814	1007239
3	Bikes	Aluminium road bike	1007024	1009454	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.

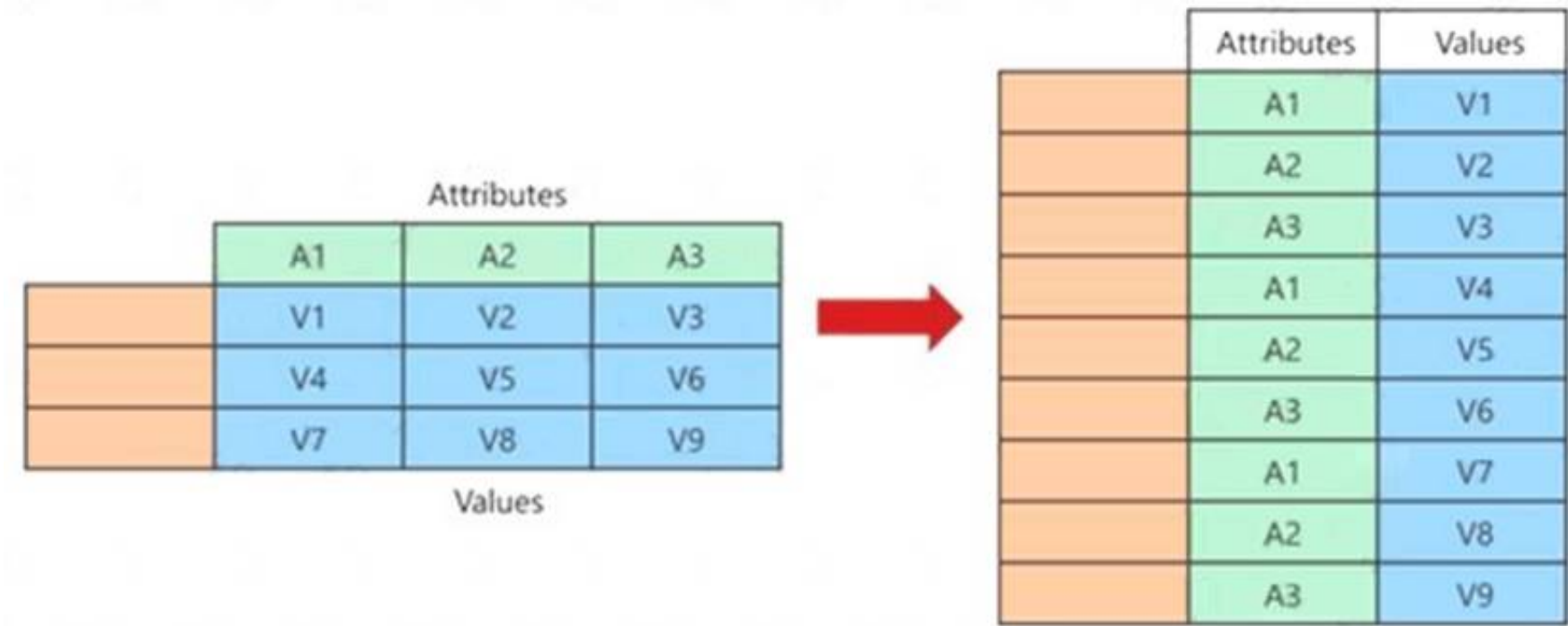
Rename the third column as Revenue and the fourth column as Year.

Answer Area

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**  
Text Description automatically generated with medium confidence  
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. Reference: <https://support.microsoft.com/en-us/office/unpivot-columns-power-query-0f7bad4b-9ea1-49c1-9d95-f588221c7>

**NEW QUESTION 21**  
- (Exam 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 24

- (Exam Topic 4)  
In Power Query Editor, you have three queries named ProductCategory, ProductSubCategory, and Product. Every Product has a ProductSubCategory. Not every ProductSubCategory has a parent ProductCategory. You need to merge the three queries into a single query. The solution must ensure the best performance in Power Query. How should you merge the tables? To answer, drag the appropriate merge types to the correct queries. Each merge type may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content. NOTE: Each correct selection is worth one point.

Join kinds

Full outer

Inner

Left anti

Left outer

Right anti

Right outer

Answer Area

Left Table	Right Table	Join Kind
Product	ProductSubCategory	<div>Join kind</div>
ProductSubCategory	ProductCategory	<div>Join kind</div>

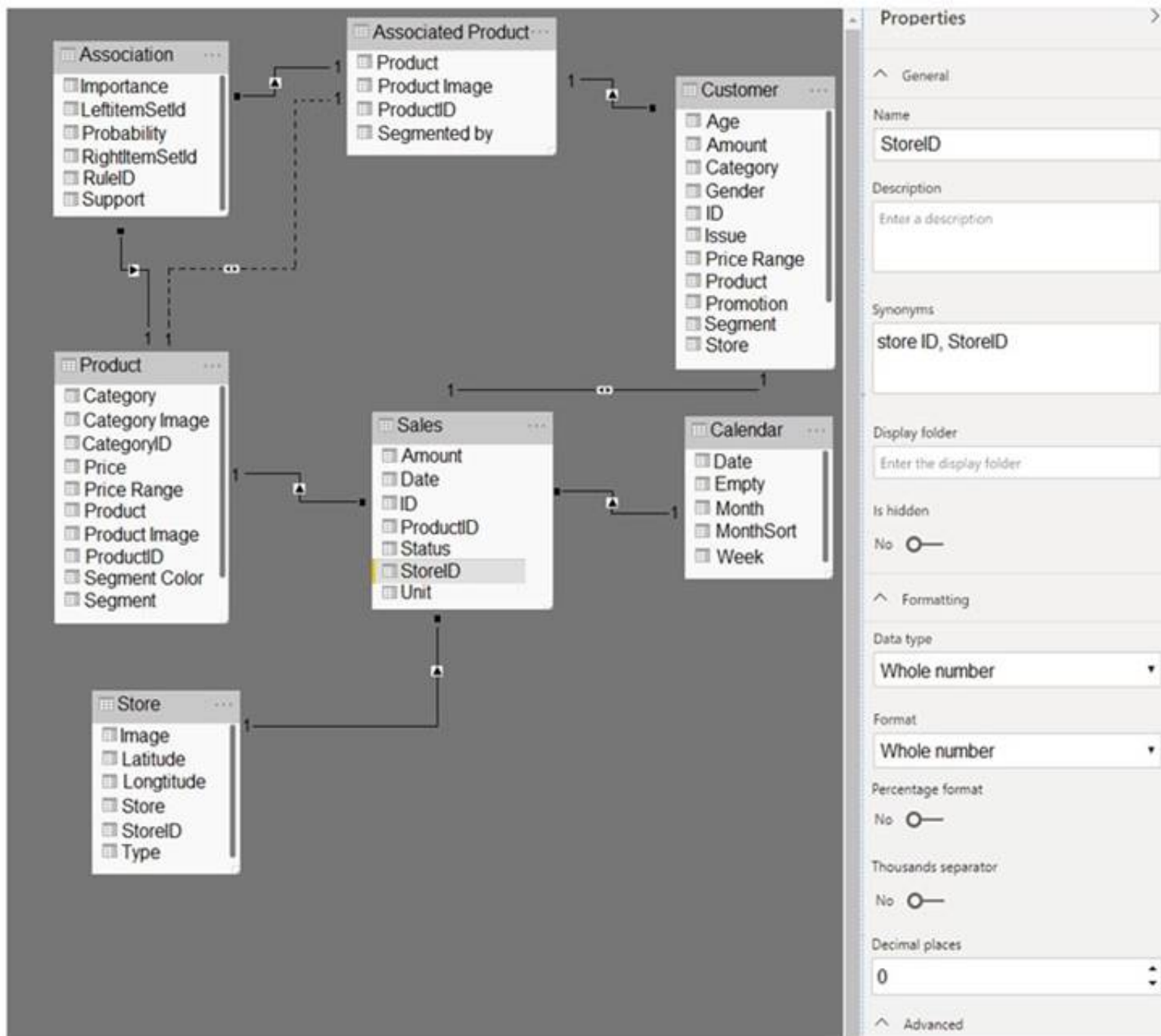
- A. Mastered
- B. Not Mastered

Answer: A

Explanation:  
Reference:<https://docs.microsoft.com/en-us/power-query/merge-queries-inner> <https://docs.microsoft.com/en-us/power-query/merge-queries-left-outer>

NEW QUESTION 25

- (Exam Topic 4)  
You have the Power BI data model shown in the following exhibit.



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

## Answer Area

When a table visual is added to a blank report page and populated by using the StoreID field from the Sales table, a **[answer choice]** is displayed.

	▼
distinct count of the StoreID values	
list of all the StoreID values	
list of the distinct StoreID values	
sum of the StoreID values	

Adding a page filter of `Sales[StoreID] = 1` will filter the values displayed on the page from **[answer choice]**.

	▼
all the tables related to the Sales table	
only the Sales table	
only the Store table	
the Sales table and the Customer table	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

## Answer Area

When a table visual is added to a blank report page and populated by using the StoreID field from the Sales table, a **[answer choice]** is displayed.

	▼
distinct count of the StoreID values	
list of all the StoreID values	
list of the distinct StoreID values	
sum of the StoreID values	

Adding a page filter of `Sales[StoreID] = 1` will filter the values displayed on the page from **[answer choice]**.

	▼
all the tables related to the Sales table	
only the Sales table	
only the Store table	
the Sales table and the Customer table	

### NEW QUESTION 28

- (Exam Topic 4)

You plan to use Power BI Desktop optimized for Power BI Report Server to create a report. The report will be published to Power BI Report Server. You need to ensure that all the visualization in the report can be consumed by users.

Which two types of visualizations should you exclude from the report? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Funnel charts
- B. Custom visuals
- C. Bubble maps
- D. Breadcrumbs
- E. R visuals

**Answer:** DE

#### Explanation:

References: <https://powerbi.microsoft.com/en-us/guided-learning/reportserver-quickstart-powerbi-report/>

### NEW QUESTION 31

- (Exam 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 development workspac
- 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 34

- (Exam 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 36

- (Exam 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/>

#### NEW QUESTION 41

- (Exam Topic 4)

You have a collection of reports for the HR department of your company. The datasets use row-level security (RLS). The company has multiple sales regions that each has an HR manager. You need to ensure that the HR managers can interact with the data from their region only. The HR managers must be prevented from changing the layout of the reports. How should you provision access to the reports for the HR managers?

- A. Create a new workspace, copy the datasets and reports, and add the HR managers as members of the workspace.
- B. Publish the reports to a different workspace other than the one hosting the datasets.
- C. Publish the reports in an app and grant the HR managers access permission.
- D. Add the HR managers as members of the existing workspace that hosts the reports and the datasets.

**Answer: C**

#### Explanation:

Note: Row-level security (RLS) with Power BI can be used to restrict data access for given users. Filters restrict data access at the row level, and you can define filters within roles. In the Power BI service, members of a workspace have access to datasets in the workspace. RLS doesn't restrict this data access.

Reference:

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

#### NEW QUESTION 44

- (Exam 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 AppSource visuals and 10 default visuals.

Users say that the report is slow to load the visuals when they access and interact with the report. You need to recommend a solution to improve the performance of the report.

What should you recommend?

- A. Change any DAX measures to use iterator functions.
- B. Replace the default visuals with AppSource visuals.
- C. Change the imported dataset to DirectQuery.
- D. Remove unused columns from tables in the data model.

**Answer: C**

#### Explanation:

DirectQuery: No data is imported or copied into Power BI Desktop.

Import: The selected tables and columns are imported into Power BI Desktop. As you create or interact with a visualization, Power BI Desktop uses the imported data.

Benefits of using DirectQuery

There are a few benefits to using DirectQuery:

- > DirectQuery lets you build visualizations over very large datasets, where it would otherwise be unfeasible to first import all the data with pre-aggregation.
- > Underlying data changes can require a refresh of data. For some reports, the need to display current data can require large data transfers, making reimporting data unfeasible. By contrast, DirectQuery reports always use current data.

The 1-GB dataset limitation doesn't apply to DirectQuery. Reference:

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

#### NEW QUESTION 45



- (Exam Topic 4)

You have a Power BI workspace named BI Data that contains a dataset named BI Finance.

You have the Build permission for the 81 Finance dataset but you do NOT have permissions for the workspace,

You need to connect to BI Finance and create a report.

Which actions should you perform? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A. From the Power BI service, create a dataflow to the dataset by using DirectQuery.  
B. From Power BI Desktop, connect to a Dataverse data source.  
C. From the Power BI service, create a new report and select a published dataset  
D. From Power BI Desktop, connect to a shared dataset

**Answer: BC**

**NEW QUESTION 50**

- (Exam Topic 4)

Your company has affiliates who help the company acquire customers.

You build a report for the affiliate managers at the company to assist them in understanding affiliate performance.

The managers request a visual showing the total sales value of the latest 50 transactions for each affiliate. You have a data model that contains the following tables.

Table name	Column name
Transactions	TransactionDate
	ItemsOrdered
	Amount
	AffiliateID
	TransactionID
Affiliate	AffiliateID
	Name

You need to develop a measure to support the visual.

How should you complete the DAX expression? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

### Answer Area

Revenue Last 50 Transactions =

	▼	(					
<table border="1"> <tr><td>CALCULATE</td></tr> <tr><td>CONCATENATEX</td></tr> <tr><td>SUM</td></tr> <tr><td>SUMX</td></tr> <tr><td>TOPN</td></tr> </table>			CALCULATE	CONCATENATEX	SUM	SUMX	TOPN
CALCULATE							
CONCATENATEX							
SUM							
SUMX							
TOPN							

	▼	(Transactions[Amount]),					
<table border="1"> <tr><td>CALCULATE</td></tr> <tr><td>CONCATENATEX</td></tr> <tr><td>SUM</td></tr> <tr><td>SUMX</td></tr> <tr><td>TOPN</td></tr> </table>			CALCULATE	CONCATENATEX	SUM	SUMX	TOPN
CALCULATE							
CONCATENATEX							
SUM							
SUMX							
TOPN							

	▼	(50, Transactions, Transactions					
<table border="1"> <tr><td>CALCULATE</td></tr> <tr><td>CONCATENATEX</td></tr> <tr><td>SUM</td></tr> <tr><td>SUMX</td></tr> <tr><td>TOPN</td></tr> </table>			CALCULATE	CONCATENATEX	SUM	SUMX	TOPN
CALCULATE							
CONCATENATEX							
SUM							
SUMX							
TOPN							

	▼
TransactionID]	
[Amount],	
[ItemsOrdered],	
[TransactionDate],	

DESC)

- A. Mastered  
B. Not Mastered

**Answer: A**

**Explanation:**

Box 1: CALCULATE

Start with CALCULATE and use a SUMX.

CALCULATE evaluates an expression in a modified filter context. Box 2: SUM

### Box 3: TOPN

TOPN returns the top N rows of the specified table. Box 4: [TransactionDate]

TOPN Syntax: TOPN(<n\_value>, <table>, <orderBy\_expression>, [<order>[, <orderBy\_expression>, [<order>]]...])

The orderBy\_expression: Any DAX expression where the result value is used to sort the table and it is evaluated for each row of table.

Reference:

<https://docs.microsoft.com/en-us/dax/topn-function-dax>

**NEW QUESTION 54**

- (Exam Topic 4)

You have sales data in a star schema that contains four tables named Sales, Customer, Date, and Product. The Sales table contains purchase and ship dates.

Most often, you will use the purchase date to analyze the data, but you will analyze the data by both dates independently and together. You need to design an imported dataset to support the analysis. The solution must minimize the model size and the number of queries against the data source. Which data modeling design should you use?

- A. Use the Auto Date/Time functionality in Microsoft Power BI and do NOT import the Date table.
- B. Duplicate the Date query in Power Query and use active relationships between both Date tables.
- C. On the Date table, use a reference query in Power Query and create active relationships between Sales and both Date tables in the modeling view.
- D. Create an active relationship between Sales and Date for the purchase date and an inactive relationship for the ship date.

**Answer: D**

**Explanation:**

Only one relationship can be active.

Note: If you query two or more tables at the same time, when the data is loaded, Power BI Desktop attempts to find and create relationships for you. The relationship options Cardinality, Cross filter direction, and Make this relationship active are automatically set.

Reference:

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

**NEW QUESTION 59**

- (Exam 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: A**

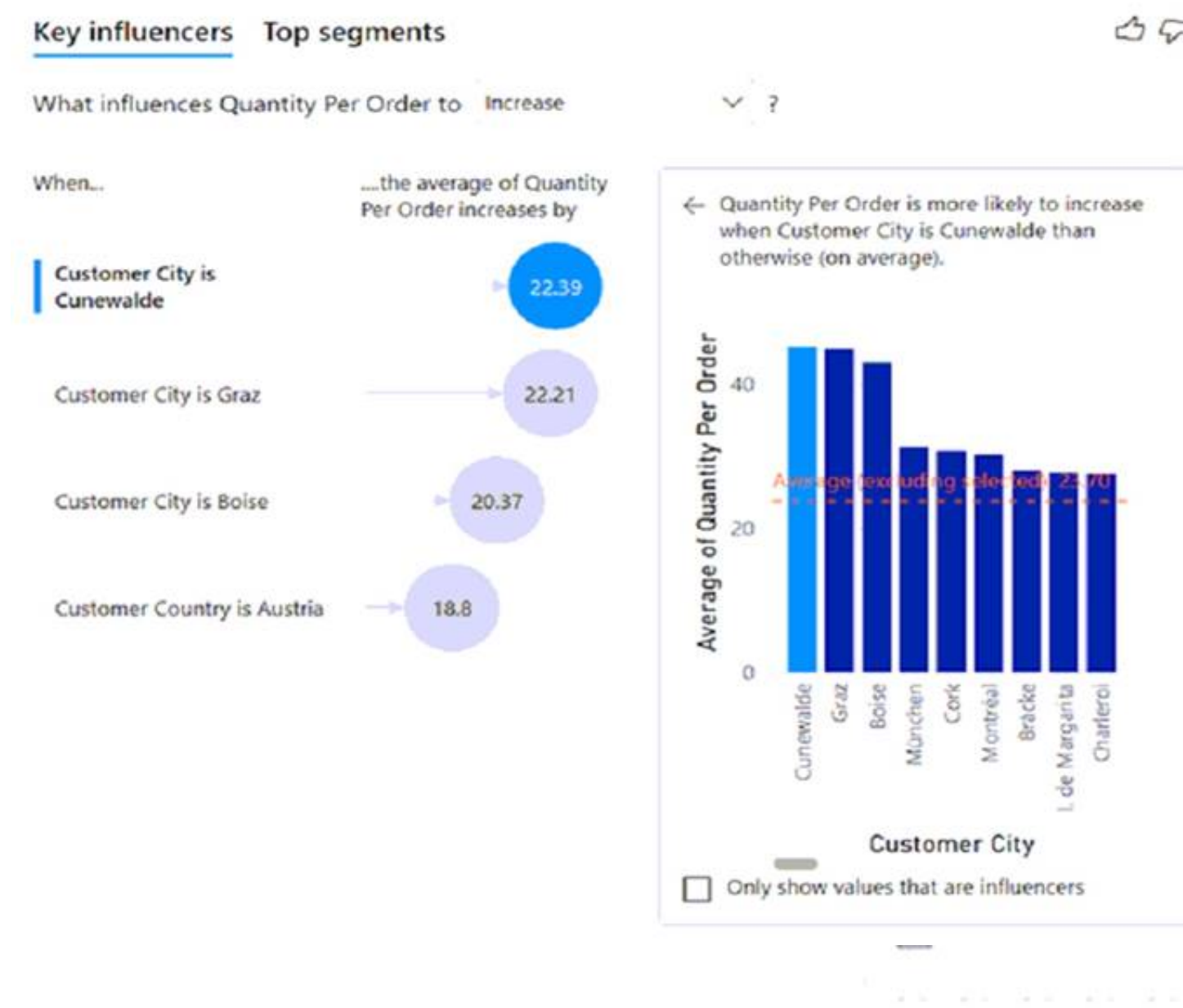
**NEW QUESTION 63**

- (Exam 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.



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 66

- (Exam Topic 4)

You have a Power BI report named Report' and a dashboard named Dashboard'. 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 Dashboard', 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 Dashboar1.
- D. Pin the Sales by month bar chart to Dashboard1.

**Answer:** A

#### NEW QUESTION 69

- (Exam 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 create a new query that references DataSourceExcel. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

#### Explanation:

Instead modify the source step of the queries to use DataSourceExcel as the file path.

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

Reference:

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

#### NEW QUESTION 72

- (Exam Topic 4)

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

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

**Answer:** B

#### NEW QUESTION 73

- (Exam Topic 4)

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

- Customer ID
- Customer Name
- Phone
- Email Address
- Address ID

Address contains the following columns:

- Address ID
- Address Line 1
- Address Line 2
- City
- State/Region
- Country
- Postal Code

Each Customer ID represents a unique customer m the Customer table. Each Address ID represents a unique address m the Address table. You need to create a query that has one row per customer. Each row must contain City. State/Region, and Country for each customer. What should you do?

- A. Append the Customer and Address tables.
- B. Transpose the Customer and Address tables.
- C. Group the Customer and Address tables by the Address ID column.
- D. Merge the Customer and Address tables.

**Answer:** D

#### NEW QUESTION 78

- (Exam 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 79

- (Exam 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 84

- (Exam 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 89

- (Exam Topic 4)

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

- A. From Power BI Desktop, customize the current theme,
- B. From power BI Desktop, use a built in report theme.
- C. Create a theme as a JSON file and import the theme into Power BI Desktop.
- D. Create a theme as a PBIVIZ file and import the theme into Power BI Desktop.

**Answer: B**



**NEW QUESTION 92**

- (Exam 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-B83D-0022489A2...	21/05/2022 18:59:25	100001000
2	49196321-38D9-EC11-B83D-0022489A2...	21/05/2022 18:59:26	100001001
3	0300C742-38D9-EC11-B83D-0022489A2...	21/05/2022 19:00:21	100001002
4	0400C742-38D9-EC11-B83D-0022489A2...	21/05/2022 19:00:21	100001003
5	0500C742-38D9-EC11-B83D-0022489A2...	21/05/2022 19:00:21	100001004
6	0600C742-38D9-EC11-B83D-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

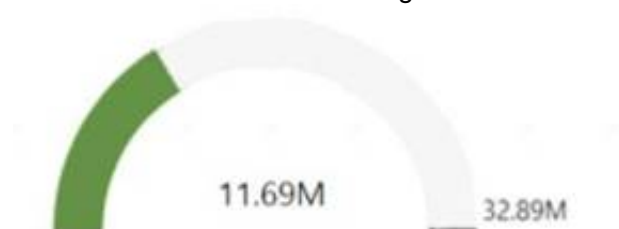
**NEW QUESTION 95**

- (Exam 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:**

Diagram, table Description automatically generated

References:

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

**NEW QUESTION 97**

- (Exam 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?

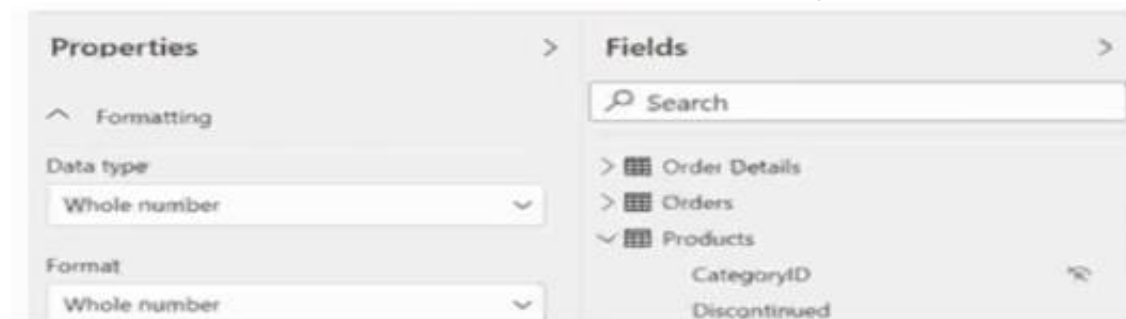
- A. Create a column by example that starts with 2018-12-31.
- B. Create a column by example that starts with 2018-12-31 and set the data type of the new column to Date
- C. Apply the parse function from the Date transformations options to the Logged column.
- D. Add a conditional column that outputs 2018 if the Logged column starts with 2018 and set the data type of the new column to Whole Number.

**Answer: B**

#### NEW QUESTION 98

- (Exam Topic 4)

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



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.

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.

- 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.

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.

#### NEW QUESTION 102

- (Exam 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: D**

#### NEW QUESTION 106

- (Exam Topic 4)

For the sales department at your company, you publish a Power BI report that imports data from a Microsoft Excel We located in a Microsoft SharePoint folder The data model contains several measures You need to create a Power BI report from the existing data. The solution must minimize development effort. Which type of data source should you use?

- A. a SharePoint folder
- B. Power BI dataflows
- C. an Excel workbook
- D. Power BI dataset

**Answer: D**

**Explanation:**

case states there is already a report published and the datamodel contains measures. therefore and to be able to use the measures in the datamodel you should connect to the existing dataset (which was created when you published the report) instead of starting from scratch with the files in the SharePoint folder.

**NEW QUESTION 109**

- (Exam Topic 4)

You have a Power BI model that has the following tables:

- Product (Product\_id, Product\_Name)
- Sales (Order\_id, Order\_Date, Product\_id, Salesperson\_id, Sales\_Amount)
- Salesperson (Salesperson\_id, Salesperson\_name, address)

You plan to create the following measure. Measure1 = DISTINCTCOUNT(Sales[ProductID]) You need to create the following relationships:

- Sales to Product
- Sales to Salesperson

The solution must ensure that you can use Measure1 to display the count of products sold by each salesperson. How should you configure the relationships? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Cardinality: 

▼
Many to One (*:1)
One to Many (1:*)
One to One (1:1)

Cross filter direction: 

▼
Both
Single

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Graphical user interface, text Description automatically generated

**NEW QUESTION 110**

- (Exam Topic 4)

You have two CSV files named Products and Categories. The Products file contains the following columns:

- ProductID
- ProductName
- SupplierID
- CategoryID

The Categories file contains the following columns:

- CategoryID
- CategoryName
- CategoryDescription

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

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

- ProductID
- ProductName
- SupplierID
- CategoryID
- CategoryName
- CategoryDescription

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

NOTE: Each correct selection is worth one point.

Answer Area

Combine the queries by performing a:

Append
Merge
Transpose

On the Categories query:

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Combine the queries by performing a:

Append
Merge
Transpose

On the Categories query:

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

NEW QUESTION 113

- (Exam 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 assign all the users the Viewer role to the workspace. Does this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

The Viewer role gives a read-only experience to its users. They can view dashboards, reports, or workbooks in the workspace, but can't browse the datasets or dataflows. Use the Viewer role wherever you would previously use a classic workspace set to "Members can only view Power BI content".

Reference:

<https://powerbi.microsoft.com/en-us/blog/announcing-the-new-viewer-role-for-power-bi-workspaces/>

NEW QUESTION 114

- (Exam 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: Copy the workbook to Microsoft OneDrive for Business. From Excel, click Publish to Power BI, and then click Upload

Does this meet the goal?

- A. Yes
- B. No

Answer: B



**NEW QUESTION 117**

- (Exam Topic 4)

Exhibit:

Month	Year	Sales	Profit
9	Sep	552	357
10	Oct	7838	24214
11	Nov	83544	257
12	Dec	32455	389

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

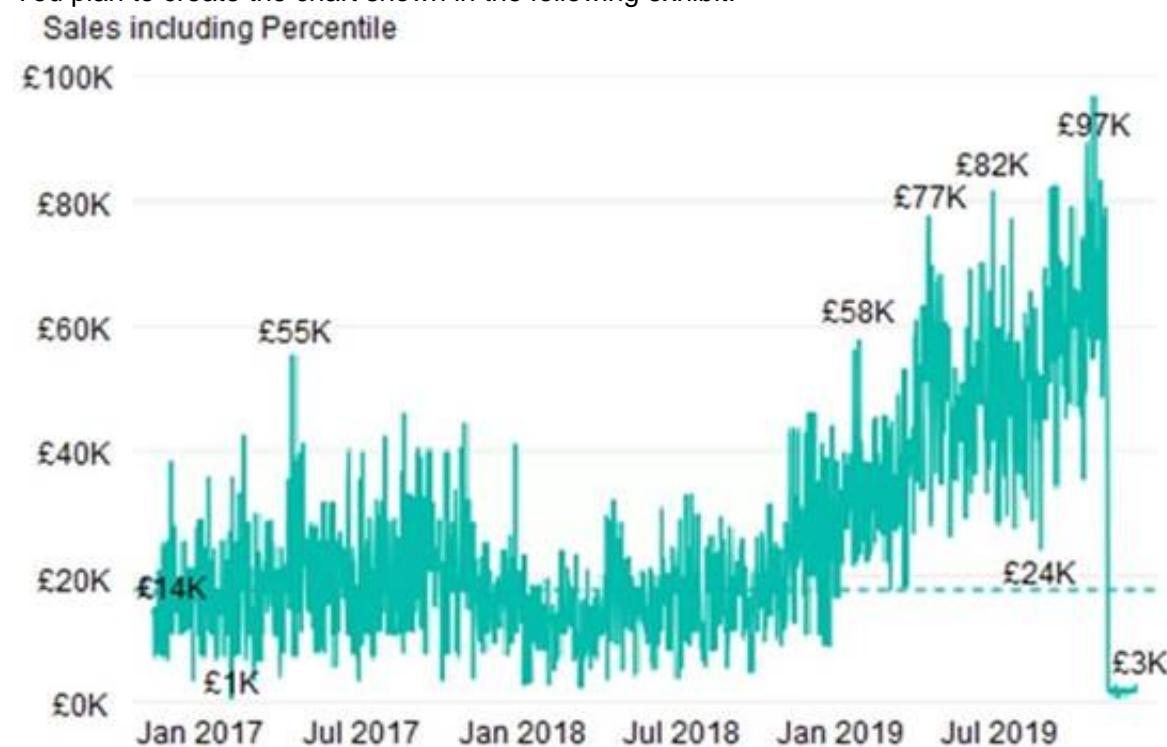
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**NEW QUESTION 121**

- (Exam 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 expression.Heasurel - PERCENTUEX.EXC (Sales,Sales[Total Sales],@.40)
- C. Add a new percentile line that uses Total Sales as the measure and 40% as the percentile.
- D. Add a measure to the visual that uses the following DAX expression.Heasurel = 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

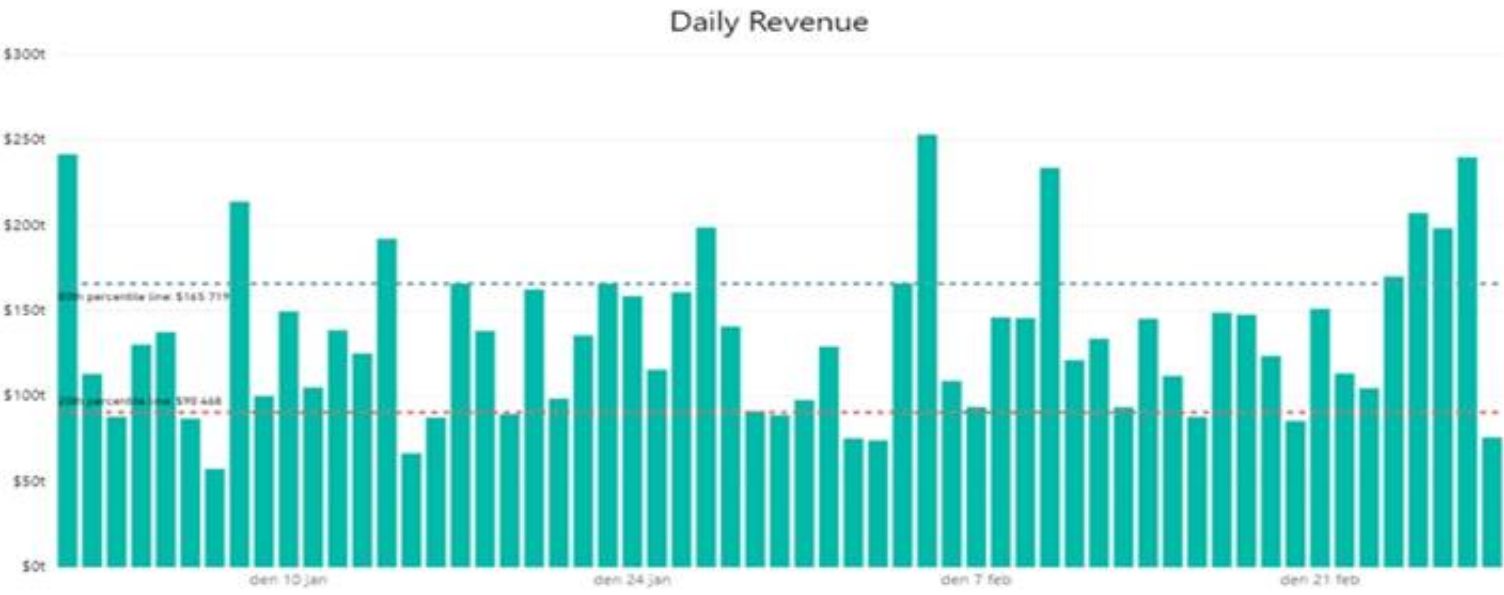
+ Add

Measure Revenue

Perc... 90 %

Color

Add percentile lines to monitor daily revenue



NEW QUESTION 123

- (Exam Topic 4)  
What should you do to address the existing environment data concerns?

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

Answer: B

NEW QUESTION 124

- (Exam 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	Yes	No
A table visual that displays the date hierarchy at the year level and the [Accounts] measure will show the total number of accounts that were live throughout the year.	<input type="radio"/>	<input type="radio"/>
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.	<input type="radio"/>	<input type="radio"/>
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.	<input type="radio"/>	<input type="radio"/>

- A. Mastered  
 B. Not Mastered

**Answer:** A

**Explanation:**

#### Answer Area

Statements	Yes	No
A table visual that displays the date hierarchy at the year level and the [Accounts] measure will show the total number of accounts that were live throughout the year.	<input type="radio"/>	<input checked="" type="radio"/>
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.	<input type="radio"/>	<input checked="" type="radio"/>
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.	<input checked="" type="radio"/>	<input type="radio"/>

#### NEW QUESTION 126

- (Exam Topic 4)

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

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

The indicator color for Total Sales will be based on % Growth to Last Year. The solution must use the existing calculations only.

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

#### Answer Area

Conditional formatting:	<input type="checkbox"/> Background color <input checked="" type="checkbox"/> Data bars <input type="checkbox"/> Font color <input type="checkbox"/> Icons <input type="checkbox"/> Web URL
Format by:	<input type="checkbox"/> Color scale <input checked="" type="checkbox"/> Field value <input type="checkbox"/> Rules

- A. Mastered  
 B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Background color



To format the Color column based on its field values, select Conditional formatting for the Color field, and then select Background color or Font color. In the Background color or Font color dialog box, select Field value from the Format by drop-down field. Box 2: Field value  
With conditional formatting for tables in Power BI Desktop, you can specify customized cell colors, including color gradients, based on field values.  
Reference:  
<https://docs.microsoft.com/en-us/power-bi/create-reports/desktop-conditional-table-formatting>

#### NEW QUESTION 131

- (Exam 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.

Answer Area

Minimum number of bookmarks:

Property:

1  
2  
3  
4

Data  
Display  
Current page

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Minimum number of bookmarks:

Property:

1  
2  
3  
4

Data  
Display  
Current page

#### NEW QUESTION 135

- (Exam Topic 4)

You have a Power BI report.

You need to create a calculated table to return the 100 highest spending customers.

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.

Top 100 Customers =

100,

(FactTransaction,

FactTransaction[Customer ID],

"Sales",

SUM(FactTransaction[Sales])),

[Sales],

ASC  
DESC  
FILTER  
SUMMARIZE  
TOPN

ASC  
DESC  
FILTER  
SUMMARIZE  
TOPN



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: TOPN

TOPN returns the top N rows of the specified table. Box 2: SUMMARIZE

SUMMARIZE returns a summary table for the requested totals over a set of groups. Box 3: DESC

Sort in descending order.

It is last in the TOPN command. TOPN syntax:

TOPN(<n\_value>, <table>, <orderBy\_expression>, [<order>[, <orderBy\_expression>, [<order>]]...]) Reference:

<https://docs.microsoft.com/en-us/dax/topn-function-dax>

<https://docs.microsoft.com/en-us/dax/summarize-function-dax>

NEW QUESTION 137

- (Exam Topic 4)

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

Name	Sample data
ProductDescription	Bikes > Adventure Works > Mountain Bikes > Super Carbon Bike > 26in wheels 42in frame
ProductCategory	Bikes
Manufacturer	Adventure Works
ProductSubcategory	Mountain Bikes
ProductSpecification	26in wheels 42in frame

Warehouse managers report that it is difficult to use the report because the report uses only the product name in tables and visuals. The product name is contained within the ProductDescription column and is always the fourth value.

You need to modify the report to support the warehouse managers requirement to explore inventory levels at different levels of the product hierarchy. The solution must minimize the model size.

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

Actions

Create a product hierarchy of Manufacturer, ProductSpecifications, ProductName, ProductSubcategory, and ProductCategory.

Replace the use of ProductDescription in the report with the product hierarchy.

Transform the ProductDescription column to contain only the text between the first and fourth > symbol.

Add the product hierarchy as an extra field in visuals where ProductDescription is used.

Add a column named ProductName that contains only the text between the third and fourth > symbol in the ProductDescription column.

Add a column named ProductName that contains all the text after the third > symbol in the ProductDescription column.

Create a product hierarchy of ProductCategory, ProductSubcategory, Manufacturer, ProductName, and ProductSpecifications.

Answer Area

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

Create a product hierarchy of Manufacturer, ProductSpecifications, ProductName, ProductSubcategory, and ProductCategory.

3 Replace the use of ProductDescription in the report with the product hierarchy.

Transform the ProductDescription column to contain only the text between the first and fourth > symbol.

Add the product hierarchy as an extra field in visuals where ProductDescription is used.

1 Add a column named ProductName that contains only the text between the third and fourth > symbol in the ProductDescription column.

Add a column named ProductName that contains all the text after the third > symbol in the ProductDescription column.

2 Create a product hierarchy of ProductCategory, ProductSubcategory, Manufacturer, ProductName, and ProductSpecifications.

NEW QUESTION 138

- (Exam Topic 4)

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

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

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

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

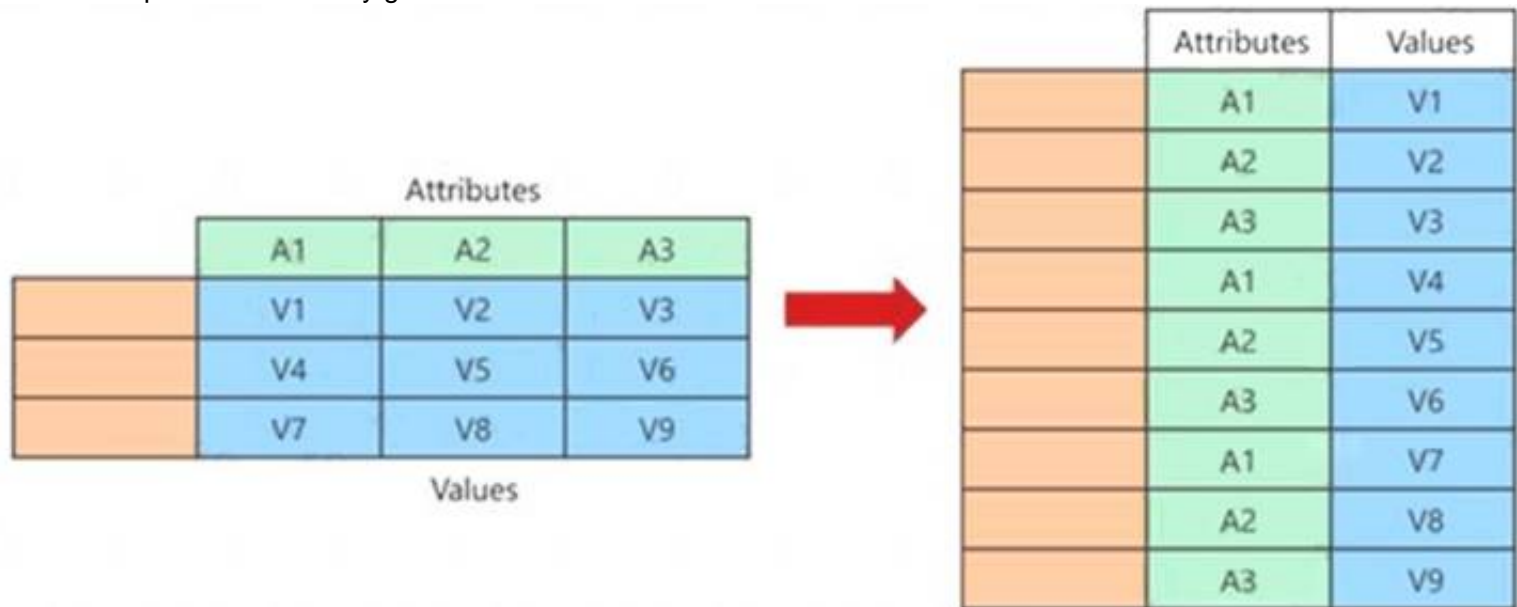
Which step should you use in the query?

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

Answer: B

Explanation:

Power Query Unpivot columns: 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



Note:

Syntax: Table.Unpivot(table as table, pivotColumns as list, attributeColumn as text, valueColumn as text) as table  
Table.Unpivot translates a set of columns in a table into attribute-value pairs, combined with the rest of the values in each row.  
Reference:  
<https://docs.microsoft.com/en-us/power-query/unpivot-column> <https://docs.microsoft.com/en-us/powerquery-m/table-unpivot>

NEW QUESTION 143

- (Exam Topic 4)

You build a report to help the sales team understand its performance and the drivers of sales. The team needs to have a single visualization to identify which factors affect success. Which type of visualization should you use?

- A. Key influences
- B. Funnel chart
- C. Q&A
- D. Line and clustered column chart

Answer: A

Explanation:

The key influencers visual helps you understand the factors that drive a metric you're interested in. It analyzes your data, ranks the factors that matter, and displays them as key influencers. The key influencers visual is a great choice if you want to:

- See which factors affect the metric being analyzed.
- Contrast the relative importance of these factors. For example, do short-term contracts have more impact on churn than long-term contracts?

Reference:  
<https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-influencers>

NEW QUESTION 146

- (Exam Topic 4)

You are using Power Bi Desktop to connect to an Azure SQL database The connection is configured as shown in the following exhibit.

SQL Server database

Server ⓘ

mydb.database.windows.net

Database (optional)

db1

Data Connectivity mode ⓘ

Import

DirectQuery

⌵ Advanced options

Command timeout in minutes (optional)

SQL statement (optional, requires database)

☒ Include relationship columns

☐ Navigate using full hierarchy

☐ Enable SQL Server Failover support

OK

Cancel

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

The default timeout for the connection from Power BI Desktop to the database will be [answer choice].

unlimited

one minute

10 minutes

The Navigator will display [answer choice].

all the tables

only tables that contain data

only tables that contain hierarchies

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

The following table lists all of the advanced options you can set in Power Query Desktop and Power Query Online.

Advanced option Description

Command timeout in minutes

If your connection lasts longer than 10 minutes (the default timeout), you can enter another value in minutes to keep the connection open longer. This option is only available in Power Query Desktop.

SQL statement

For information, go to Import data from a database using native database query. Include relationship columns

If checked, includes columns that might have relationships to other tables. If this box is cleared, you won't see those columns.

Navigate using full hierarchy

If checked, the navigator displays the complete hierarchy of tables in the database you're connecting to. If cleared, the navigator displays only the tables whose columns and rows contain data.

Enable SQL Server Failover support

If checked, when a node in the Azure SQL failover group isn't available, Power Query moves from that node to another when failover occurs. If cleared, no failover occurs.

NEW QUESTION 151

- (Exam 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 153**

- (Exam Topic 4)

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

What should you do?

- A. Create a theme as a PBIVIZ file and import the theme into Power BI Desktop.
- B. Create a theme as a JSON file and import the theme into Power BI Desktop.
- C. From Power BI Desktop, use a built-in report theme.
- D. From Power BI Desktop, customize the current theme.

**Answer: D**

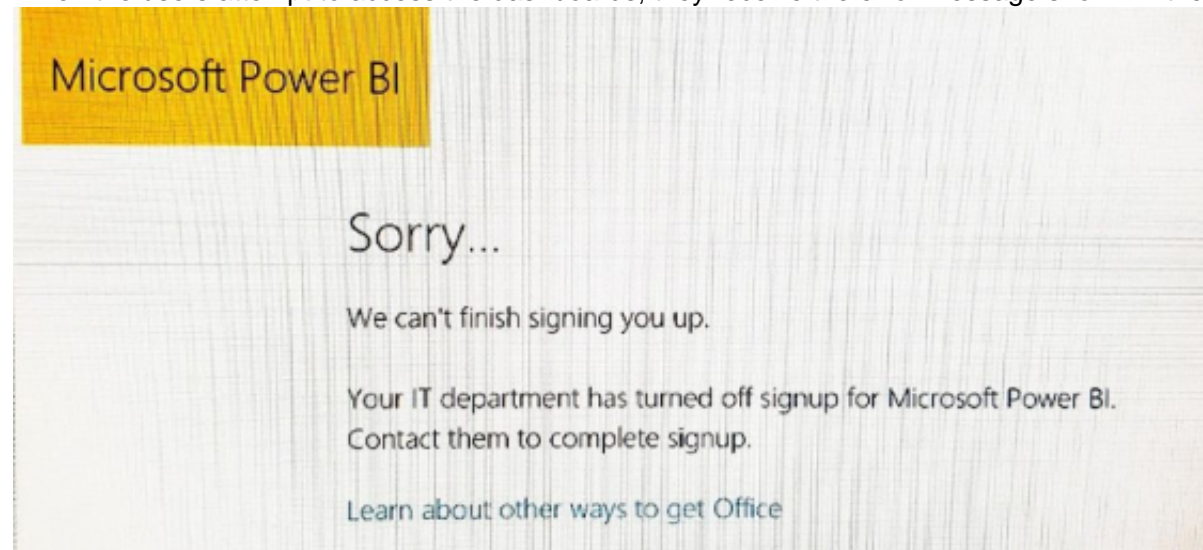
**NEW QUESTION 154**

- (Exam Topic 4)

Your organization has a team of power users who recently created 20 Power BI dashboards.

The power users share the dashboards with other users in the organization.

When the users attempt to access the dashboards, they receive the error message shown in the exhibit. (Click the Exhibit.)



You need to ensure that all the users can access the dashboards. What should you do first?

- A. From the Microsoft Office 365 Admin center, and the Power BI (free) subscription, and then assign a license to each user.
- B. From the Power BI Admin portal, modify the Privacy Settings.
- C. From the properties of each dashboard, modify the Share dashboard settings.
- D. Instruct each user to install Microsoft Office 2016.

**Answer: A**

**Explanation:**

References:

<http://www.nubo.eu/en/blog/2016/12/Enable-PowerBI-On-Office-365/>

**NEW QUESTION 159**

- (Exam 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 constant line and set the value to .5.

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 162

- (Exam 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?

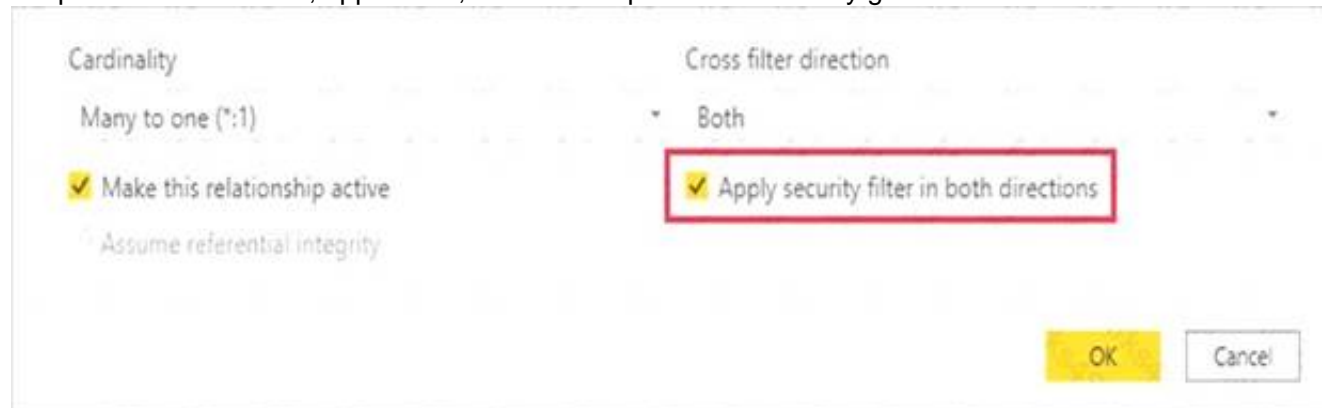
- A. Create an active relationship between the tables and select Assume referential integrity.
- B. Create an inactive relationship between the tables and select Assume referential integrity.
- C. Create an inactive relationship between the tables and select Apply security filter in both directions.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

Graphical user interface, application, Word Description automatically generated



Reference:

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

#### NEW QUESTION 164

- (Exam 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 167

- (Exam 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 172

- (Exam 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.

Reference:

<https://docs.microsoft.com/en-us/power-query/append-queries>

<https://community.powerbi.com/t5/Power-Query/Append-vs-Append-as-new-for-performance/td-p/1822710>

#### NEW QUESTION 174

- (Exam 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. Apply a transformation to extract the last 11 characters of the Logged column and set the data type of the new column to Date.  
B. Change the data type of the Logged column to Date.  
C. Split the Logged column by using at as the delimiter.  
D. Apply a transformation to extract the first 11 characters of the Logged column.

**Answer: C**

#### NEW QUESTION 177

- (Exam 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 Sales for a year up to a selected date. How should you complete the DAX expression? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

- A. Mastered  
B. Not Mastered

**Answer: A**

#### Explanation:

Answer as selected.

Answer Area

Measure =

TOTALYTD

[Total Sales],

Date[Date]

#### NEW QUESTION 181

- (Exam Topic 4)

You have a report that contains four pages. Each page contains slicers for the same four fields. Users report that when they select values on a slicer on one page, the visuals are not updated on all the pages. You need to recommend a solution to ensure that users can select a value once to filter the results on all the pages.

What are two possible recommendations to achieve this goal? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A. Sync the slicers across the pages.
- B. Replace the slicers with page-level filters.
- C. Replace the slicers with visual-level filters.
- D. Create a bookmark for each slicer value.
- E. Replace the slicers with report-level filters.

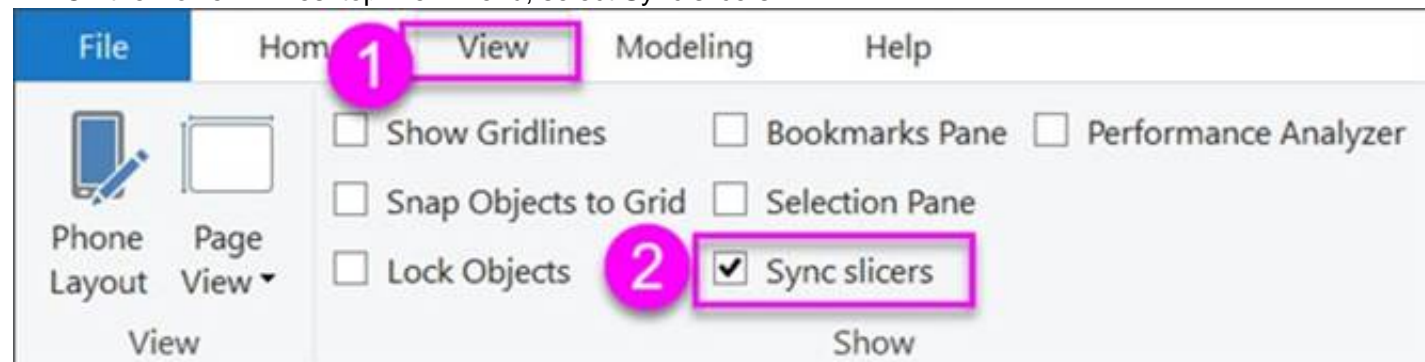
**Answer:** AE

**Explanation:**

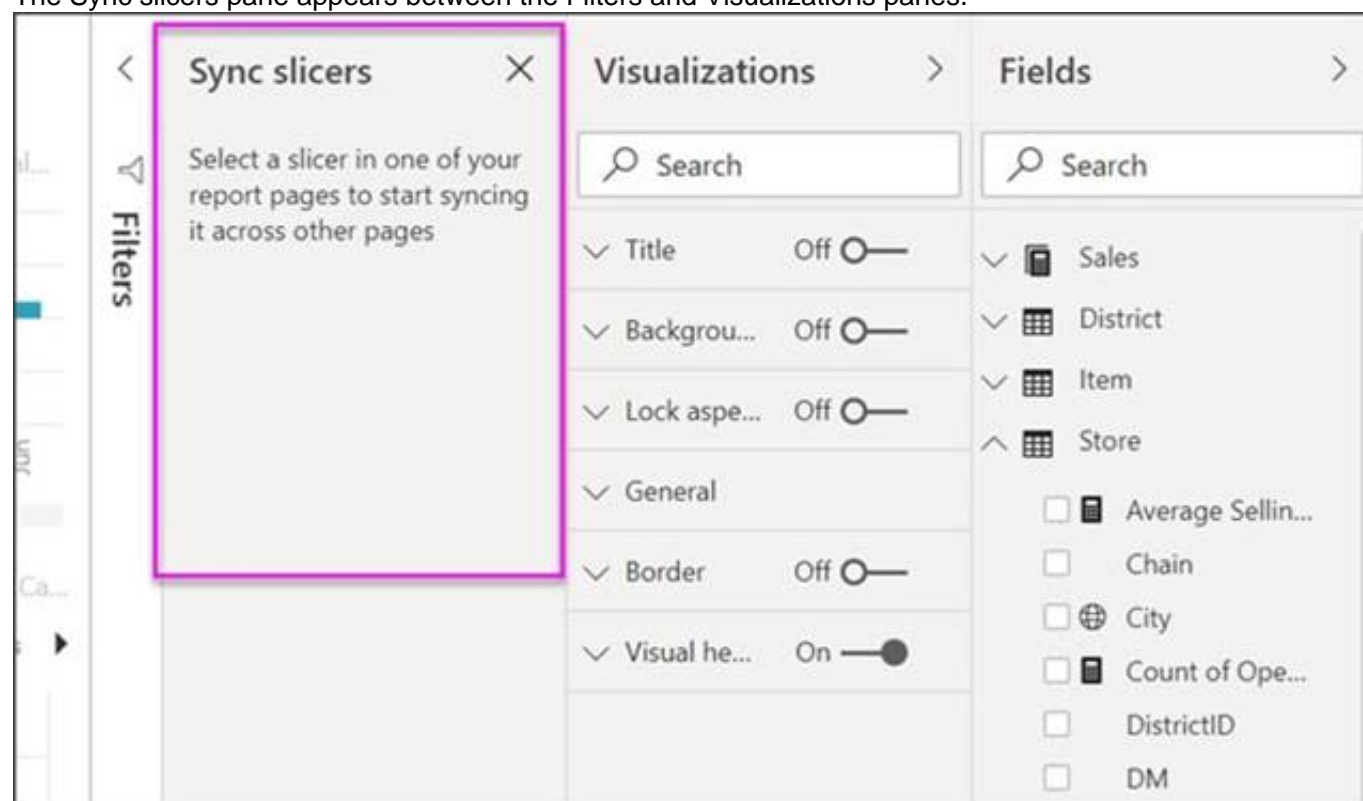
Add a report-level filter to filter an entire report.

The visuals on the active page, and on all pages in the report, change to reflect the new filter. You can sync a slicer and use it on any or all pages in a report.

\* 1. On the Power BI Desktop View menu, select Sync slicers.



The Sync slicers pane appears between the Filters and Visualizations panes.



Reference:

<https://docs.microsoft.com/en-us/power-bi/create-reports/power-bi-report-add-filter> <https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-slicers>

**NEW QUESTION 186**

- (Exam 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 188**

- (Exam Topic 4)

You have a Power BI tenant.

You have reports that use financial datasets and are exported as PDF files. You need to ensure that the reports are encrypted.

What should you implement?

- A. dataset certifications
- B. row-level security (RLS)
- C. sensitivity labels

D. Microsoft Intune policies

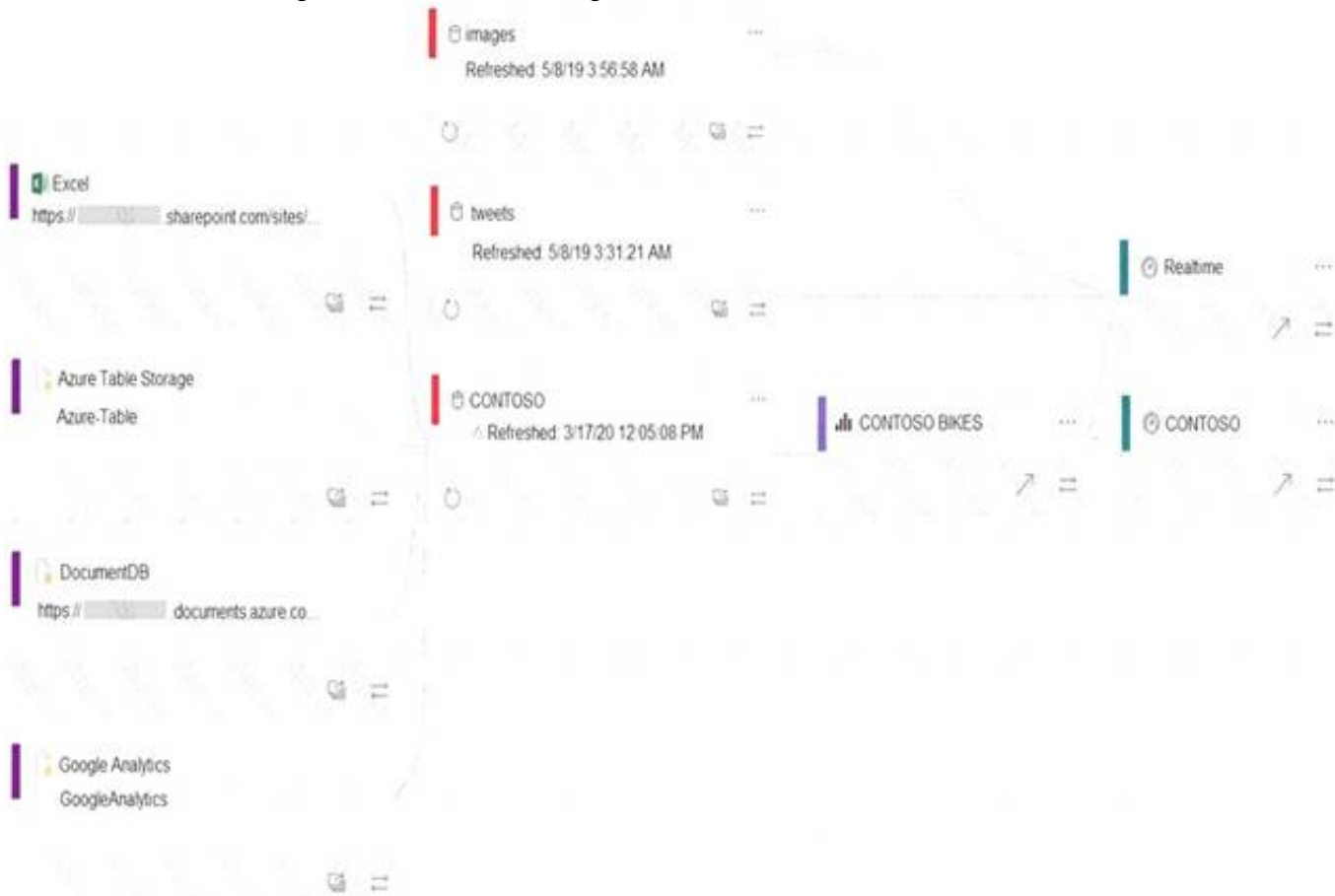
Answer: C

Explanation:

General availability of sensitivity labels in Power BI.  
Microsoft Information Protection sensitivity labels provide a simple way for your users to classify critical content in Power BI without compromising productivity or the ability to collaborate. Sensitivity labels can be applied on datasets, reports, dashboards, and dataflows. When data is exported from Power BI to Excel, PowerPoint or PDF files, Power BI automatically applies a sensitivity label on the exported file and protects it according to the label's file encryption settings. This way your sensitive data remains protected no matter where it is.  
Reference:  
<https://powerbi.microsoft.com/en-us/blog/announcing-power-bi-data-protection-ga-and-introducing-new-capabil>

NEW QUESTION 190

- (Exam 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:

Text, table Description automatically generated with medium confidence  
Box 1: CONTOSO BIKES report Box 2: three datasets  
Images, tweets and the Contoso datasets.

NEW QUESTION 193

- (Exam 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.



A. Mastered  
B. Not Mastered

**Explanation:**

### NEW QUESTION 195

- (Exam Topic 4)

You have a Power BI dashboard that displays different visualizations of company sales. You enable Q&A on the dashboard.

You need to provide users with sample questions that they can ask when using Q&A. Which settings should you modify from the Power BI Settings?

- A. Subscriptions
- B. Dashboards
- C. Datasets
- D. Workbooks

**Answer: C**

**Explanation:**

References: <https://docs.microsoft.com/en-us/power-bi/service-q-and-a-create-featured-questions>

### NEW QUESTION 196

- (Exam 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.

### NEW QUESTION 201

- (Exam Topic 4)

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

- Date

- Product
- Product Inventory

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

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

The Product Inventory table relates to the Date table by using the DateKey column. The Product inventory table relates to the Product table by using the ProductKey column. You need to reduce the size of the data model without losing information. What should you do?

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

**Answer:** D

#### NEW QUESTION 205

- (Exam Topic 4)

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

The report contains a line chart that shows expenses by month.

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

What should you do?

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

**Answer:** C

#### NEW QUESTION 208

- (Exam Topic 4)

You have a Microsoft Power BI data model that contains three tables named Sales, Product, and Date. The Sales table has an existing measure named [Total Sales] that sums the total sales from the Sales table.

You need to write a calculation that returns the percentage of total sales that a selected ProductCategoryName value represents. The calculation must respect any slicers on ProductCategoryName and must show the percentage of visible total sales. For example, if there are four ProductCategoryName values, and a user filters one out, a table showing ProductCategoryName and the calculation must sum up to 100 percent.

How should you complete the calculation? 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

ALLSELECTED

CALCULATE

CALCULATETABLE

CURRENTGROUP

DIVIDE

SUMMARIZE

TOPN

Product Category % of Total 2 =

Product[ProductCategoryName] ) ) )

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

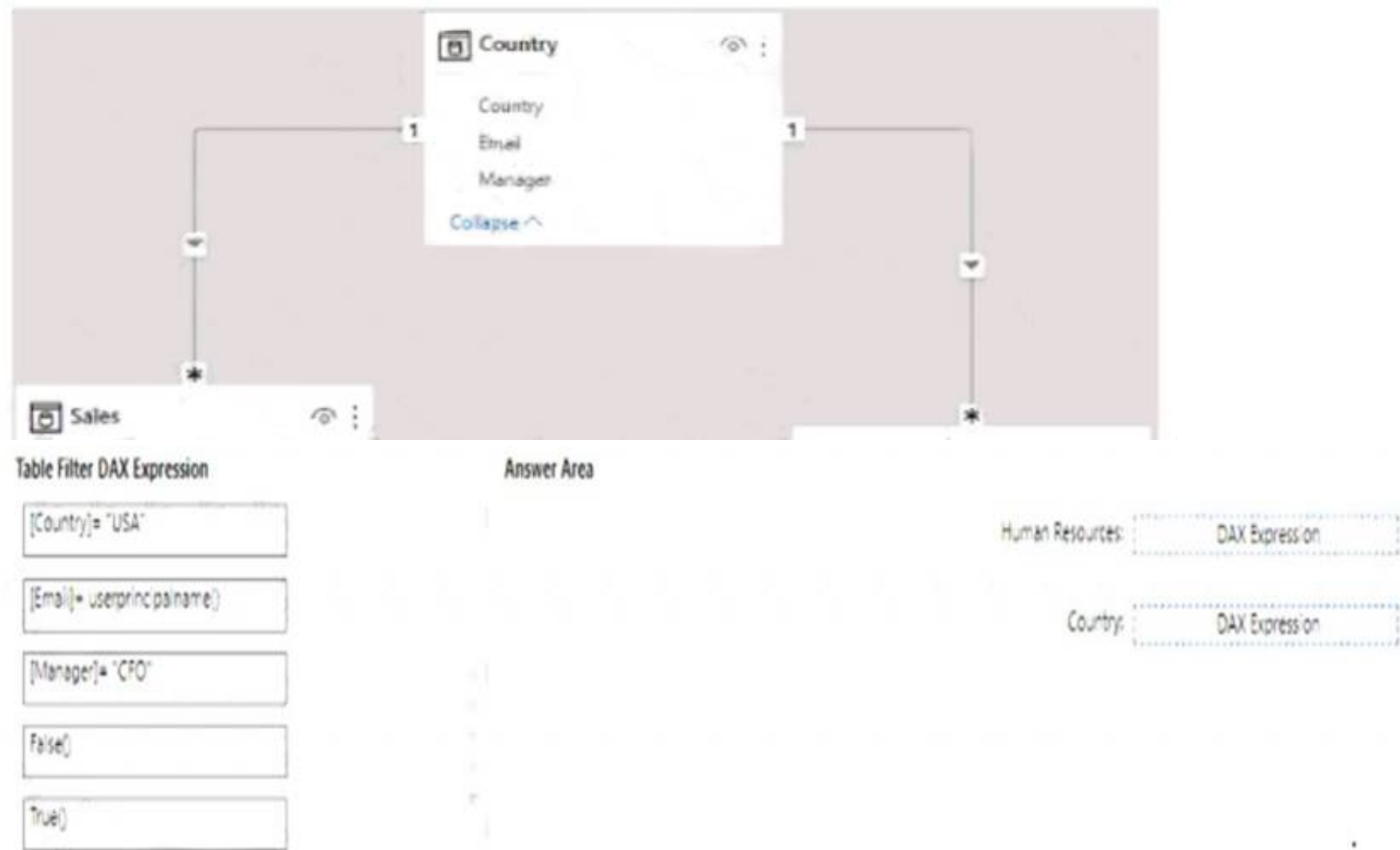
Divide, Calculate, AllSelected. Reference:

<https://docs.microsoft.com/en-us/dax/allselected-function-dax>

#### NEW QUESTION 213

- (Exam Topic 4)

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



Country

Country

Email

Manager

Collapse ^

Sales

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:



Country

Country

Email

Manager

Collapse ^

Sales

Table Filter DAX Expression

[Country] = "USA"

[Email] = userprincipalname()

[Manager] = "CFO"

False()

True()

Answer Area

Human Resources: [Manager] = "CFO"

Country: True()

**NEW QUESTION 217**

- (Exam Topic 4)

You have a Power BI report that contains three pages named Page1, Page2, and Page3. All the pages have the same slicers. You need to ensure that all the filters applied to Page1 apply to Page1 and Page3 only. What should you do?

- A. Sync the slicers on Page1 and Page3
- B. On each page, modify the interactions of the slicer.
- C. Enable visibility of the slicers on Page1 and Page3. Disable visibility of the slicer on Page2.

Answer: B

**NEW QUESTION 222**

- (Exam Topic 4)

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

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



NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer as selected

Answer Area

The dashed line representing the Year Average Employee Count was created by using [answer choice] an average reference line

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

NEW QUESTION 226

- (Exam 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

## Answer Area

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.



- 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 228

- (Exam 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 230

- (Exam 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 235

- (Exam Topic 4)

You have the following three versions of an Azure SQL database:

- > Test
- > Production
- > Development

You have a dataset that uses the development database as a data source.

You need to configure the dataset so that you can easily change the data source between the development, test, and production database servers from powerbi.com.

Which should you do?

- A. Create a JSON file that contains the database server name
- B. Import the JSON file to the dataset.
- C. Create a parameter and update the queries to use the parameter.
- D. Create a query for each database server and hide the development tables.
- E. Set the data source privacy level to Organizational and use the ReplaceValue Power Query M function.

**Answer:** B

### Explanation:

<https://docs.microsoft.com/en-us/learn/modules/create-manage-workspaces-power-bi/4-development-lifecycle-s>

NEW QUESTION 237

- (Exam Topic 4)

The data model must support the following analysis:

- > Total sales by product by month in which the order was placed
- > Quantities sold by product by day on which the order was placed
- > Number Of sales transactions by quarter in Which the order was placed

For each Of the following statements, select Yes if the statement is true. Otherwise, select NO.

Statements	Yes	No
Removing the LastUpdated column from the Sales table reduces the model size while still supporting the required analysis.	<input type="radio"/>	<input type="radio"/>
Removing the ProductID column from the Sales table reduces the model size while still supporting the required analysis.	<input type="radio"/>	<input type="radio"/>
Removing the ShipDate column from the Sales table reduces the model size while still	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
Removing the LastUpdated column from the Sales table reduces the model size while still supporting the required analysis.	<input checked="" type="radio"/>	<input type="radio"/>
Removing the ProductID column from the Sales table reduces the model size while still supporting the required analysis.	<input checked="" type="radio"/>	<input type="radio"/>
Removing the ShipDate column from the Sales table reduces the model size while still	<input type="radio"/>	<input checked="" type="radio"/>

NEW QUESTION 241

- (Exam 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	Answer Area
Select the Month and MonthNumber columns.	
Select <b>Transpose</b> .	<input checked="" type="radio"/>
Rename the Attribute column as Year and the Value column as Sales.	<input checked="" type="radio"/>
Select <b>Unpivot other columns</b> .	
Select the 2019, 2020, and 2021 columns.	

- 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 242

- (Exam 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: B

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 243

- (Exam Topic 4)

You have a folder that contains 100 CSV files.

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

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

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

**Actions**

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

**Answer Area**

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

From Power BI Desktop, select Get Data, and then select Folder. From Power Query Editor, remove the Content column.

From Power Query Editor, expand the Attributes column.

#### NEW QUESTION 247

- (Exam 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

Chart type:

Chart configuration:

- A. Mastered  
 B. Not Mastered

**Answer:** A

**Explanation:**

## Answer Area

Chart type:

Chart configuration:

## NEW QUESTION 250

- (Exam Topic 4)

From Power BI Desktop, you publish a new dataset and report to a Power BI workspace. The dataset has a row-level security (RLS) role named HR. You need to ensure that the HR team members have RLS applied when they view reports based on the dataset. What should you do?

- A. From Power BI Desktop, change the Row-Level Security settings.  
 B. From Power BI Desktop, import a table that contains the HR team members  
 C. From powerbi.com, add users to the HR role for the dataset.  
 D. From powerbi.com, share the dataset to the HR team members.

**Answer:** C

## NEW QUESTION 253

- (Exam 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 258

- (Exam Topic 4)  
You have a Power Bi report for the procurement department. The report contains data from the following tables.

Table name	Source	Description	Column name	Approximate record count
Suppliers	Microsoft Dynamics 365	A list of all the suppliers approved for use by the company.	<ul style="list-style-type: none"><li>ID</li><li>Name</li><li>Country</li></ul>	100,000
LineItems	Microsoft Dynamics 365	All individual purchases made by employees across the company. An average of five line items per invoice.	<ul style="list-style-type: none"><li>ID</li><li>Invoice ID</li><li>Invoice Date</li><li>Supplier ID</li><li>Description</li><li>Units</li><li>Price per Unit</li><li>Discount</li><li>Price</li></ul>	1,000,000,000

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

Name	Used field	Filter
Supplier usage by count and value of invoices	Suppliers[ID] Suppliers[Name] LineItems[Invoice ID] LineItems[Price]	None
Spend by supplier location	Suppliers[Country] LineItems[Price]	None
Top 10 largest invoices last month	LineItems[Invoice ID] LineItems[Price]	LineItems[Invoice Date] in last calendar month

- You need to minimize the size of the dataset without affecting the visuals. What should you do?
- A. Remove the rows from Lineitems where Lineitems[invoice Date] is before the beginning of last month
  - B. Merge Suppliers and Uneltems.
  - C. Group Lineltems by Lineitems[ invoice id) and Lineitems[invoice Date) with a sum of Lineitems(price).
  - D. Remove the Lineitems[Description] column.

Answer: D

NEW QUESTION 263

- (Exam 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:

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 268

- (Exam Topic 4)

You have a report that includes a card visualization.

You need to apply the following conditional formatting to the card while minimizing design effort. For values that are greater than or equal to 100, the font of the data label must be dark red.

For values that are less than 100, the font of the data label must be dark gray. Which type of format should you use?

- A. Color scale
- B. Rules
- C. Field value

Answer: B

NEW QUESTION 270

- (Exam Topic 4)

You publish a Microsoft Power BI dataset to powerbi.com. The dataset appends data from an on-premises Oracle database and an Azure SQL database by using

one query.

You have admin access to the workspace and permission to use an existing On-premises data gateway for which the Oracle data source is already configured. You need to ensure that the data is updated every morning. The solution must minimize configuration effort. Which two actions should you perform when you configure scheduled refresh? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Configure the dataset to use the existing On-premises data gateway.
- B. Deploy an On-premises data gateway in personal mode.
- C. Set the refresh frequency to Daily.
- D. Configure the dataset to use the personal gateway.

**Answer:** AC

**Explanation:**

<https://docs.microsoft.com/en-us/power-bi/connect-data/service-gateway-personal-mode>

#### NEW QUESTION 274

- (Exam Topic 4)

You have a custom connector that returns ID, From, To, Subject, Body, and Has Attachments for every email sent during the past year. More than 10 million records are returned.

You build a report analyzing the internal networks of employees based on whom they send emails to.

You need to prevent report recipients from reading the analyzed emails. The solution must minimize the model size.

What should you do?

- A. Implement row-level security (RLS) so that the report recipients can only see results based on the emails they sent.
- B. Remove the Subject and Body columns during the import.
- C. From Model view, set the Subject and Body columns to Hidden.

**Answer:** B

#### NEW QUESTION 279

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