

# Microsoft

## Exam Questions 70-778

Analyzing and Visualizing Data with Microsoft Power BI (beta)



#### NEW QUESTION 1

Your company has several developers who plan to create custom solutions that will interact with the API for the Power BI service. Which three operations can the developers achieve by using the API? Each correct answer presents a complete solution.  
NOTE: Each correct selection is worth one point.

- A. Retrieve rows from a dataset
- B. Create a dataset
- C. Add rows to a dataset
- D. Refresh an imported dataset
- E. Add a member to a row-level security role

**Answer:** ABC

#### NEW QUESTION 2

You have an app workspace named Retail Analysis in the Power BI service. You need manage the members that have access to the app workspace. What should you do?

- A. From the Power BI Admin portal, click Usage metrics.
- B. From the Office 365 Admin center, click Users.
- C. From the Office 365 Admin center, click Groups.
- D. From the Power BI Admin portal, click Tenant settings.

**Answer:** C

#### Explanation:

References:

<https://docs.microsoft.com/en-us/power-bi/service-manage-app-workspace-in-power-bi-and-office-365>

#### NEW QUESTION 3

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

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

You have a Power BI model that contains two tables named Sales and Date. Sales contains four columns named TotalCost, DueDate, ShipDate, and OrderDate. Date contains one column named Date.

The tables have the following relationships: The active relationship is on Sales[DueDate].

You need to create measures to count the number of orders by [ShipDate] and the orders by [OrderDate]. You must meet the goal without duplicating data or loading additional data.

Solution: You create a calculated table. You create a measure that uses the new table. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

#### NEW QUESTION 4

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

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

You have a Power BI model that contains two tables named Sales and Date. Sales contains four columns named TotalCost, DueDate, ShipDate, and OrderDate. Date contains two columns named Date and Time.

The tables have the following relationships:

Sales [DueDate] and Date [Date]

Sales [ShipDate] and Date [Date]

Sales [OrderDate] and Date [Date]

The active relationship is on Sales [DueDate].

You need to create measures to count the number of orders by [ShipDate] and orders by [OrderDate]. You must meet the goal without loading any additional data.

Solution: You create a calculated table. You create a measure that uses the new table. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

#### NEW QUESTION 5

Your company has a security policy stating that proprietary data must not be transferred over the Internet. During a security audit, auditors discover that executives use the Power BI service for reporting. You need to recommend a solution to ensure that the company adheres to the security policy. What should you include in the recommendation?

- A. Microsoft SQL Server column encryption
- B. Microsoft Azure ExpressRoute
- C. a site-to-site VPN to Microsoft Azure
- D. the on-premises gateway for Power BI

**Answer:** B

#### Explanation:

References:

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

**NEW QUESTION 6**

You have a Microsoft Excel workbook that contains two tables.  
 From Power BI, you create a dashboard that displays data from the tables. You update the tables each day.  
 You need to ensure that the visualizations in the dashboard are updated daily.  
 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.

<b>Actions</b>		<b>Answer Area</b>
Download and install an on-premises data gateway (personal).		
Configure the Gateway Connection settings for the dataset.		
Add subscriptions for the reports.	➔	⬆
Download and install Power BI Desktop.	⬅	⬇
Configure the Schedule Refresh settings for the dataset.		

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**  
 References: <https://docs.microsoft.com/en-us/power-bi/refresh-scheduled-refresh>

**NEW QUESTION 7**

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 an app workspace that contains a report. The report contains sensitive data.  
 You need to ensure that you can embed the report into a custom application that will be accessed by external users. The external users will NOT have a Microsoft Azure Active Directory user account or Power BI licenses.  
 Solution: Configure the app workspace to be read-only for members and to run in a shared capacity. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**NEW QUESTION 8**

You have a query that uses a Microsoft Excel data source. The data source contains the following table.

GeoCode	CustomerCount	2014	2015	2016	2017
MA	2300	38885900	40830195	46954724.25	49302460.46
SD	1200	3993773.76	4193461.65	3983788.56	4182977.99
PA	340	89433932.54	93905628.6	98600910.03	103530955.5
NC	890	2000243.76	2100255.15	2289278.15	2403742.01
US	7777	6994777.75	7344515.85	9180644.81	9639677.05

You need the data to appear as shown in the following table.

GeoCode	CustomerCount	Attribute	Value
MA	2300	2014	38885900
MA	2300	2016	46954724.25
MA	2300	2017	49302460.46
SD	1200	2014	3993773.76
SD	1200	2015	4193461.65
SD	1200	2016	3983788.56
SD	1200	2017	4182977.99
PA	340	2014	89433932.54
PA	340	2015	93905628.6
PA	340	2016	98600910.03
PA	340	2017	103530955.5
NC	890	2014	2000243.76
NC	890	2015	2100255.15
NC	890	2016	2289278.15
NC	890	2017	2403742.01
US	7777	2014	6994777.75
US	7777	2015	7344515.85
US	7777	2016	9180644.81
US	7777	2017	9639677.05

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



**Answer Area**

Columns to select:   
 GeoCode only  
 GeoCode and CustomerCount  
 2014, 2015, 2016, and 2017

Command to use:   
 Pivot Column  
 Reverse Rows  
 Unpivot Columns

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

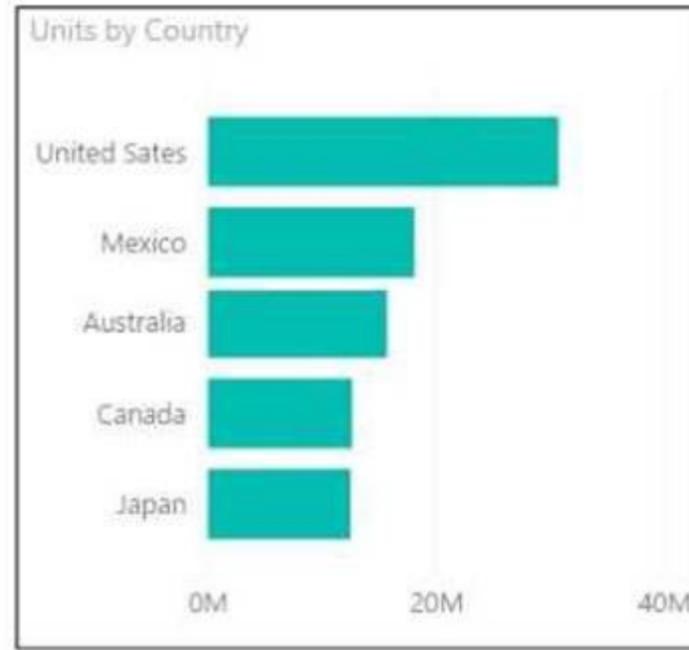
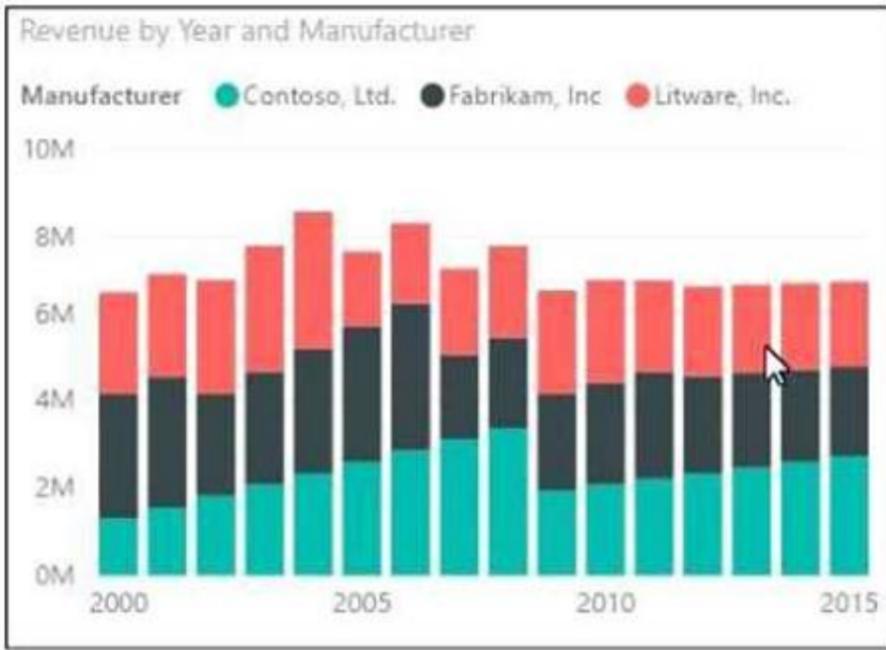
**Answer Area**

Columns to select:   
 GeoCode only  
 GeoCode and CustomerCount  
 2014, 2015, 2016, and 2017

Command to use:   
 Pivot Column  
 Reverse Rows  
 Unpivot Columns

**NEW QUESTION 9**

You are creating a report in Power BI Desktop that has two visualizations on a page as shown in the following exhibit.



You need to ensure that when you click the bar of a country, only the values for that country are shown on the Revenue by Year and Manufacturer chart.

- A. Click the Revenue by Year and Manufacturer char
- B. On the Format tab, click Edit Interaction
- C. On the Units by Country chart, click Filter.
- D. Click the Revenue by Year and Manufacturer char
- E. On the Format tab, click Edit Interaction
- F. On the Units by Country chart, click Highlight.
- G. Click the Units by Country char
- H. On the Format tab, click Edit Interaction
- I. On the Revenue by Year and Manufacturer chart, click Filter.
- J. Click the Units by Country char
- K. On the Format tab, click Edit Interaction
- L. On the Revenue by Year and Manufacturer chart, click Highlight.

**Answer: C**

**Explanation:**

References:  
<https://docs.microsoft.com/en-us/power-bi/service-reports-visual-interactions>

**NEW QUESTION 10**

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 10**

You have the report shown in the following exhibit.

The screenshot displays the Power BI Desktop interface. At the top, the ribbon is set to 'Virtual tools', with the 'New Measure' option highlighted. The main workspace shows a bar chart titled 'Discounted Sales and SalesAmount by Month'. The chart has a vertical axis from 0K to 40K and a horizontal axis for the months of the year. For each month, there are two bars: a light blue bar for 'Discounted Sales' and a dark blue bar for 'SalesAmount'. A 'Discount' slicer is positioned at the bottom left of the chart area, with a value of 0.10. On the right side, the 'Fields' pane is open, showing 'Discount' selected in the 'Visualizations' section. The formula bar at the top of the chart area contains the DAX formula: `Discount = GENERATESERIES(0, 0.5, 0.1)`.

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

## Answer Area

Discount[Discount] was created by using the [answer choice] command.

- New Column
- New Measure
- New Parameter
- New Table

The maximum value for the Discount slicer is [answer choice].

- 0.1
- 0.5
- 1
- 50

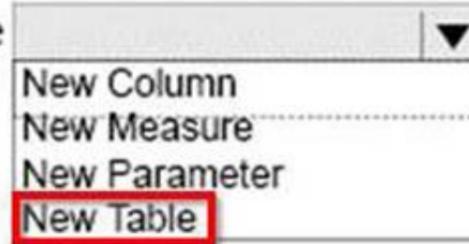
- A. Mastered
- B. Not Mastered

Answer: A

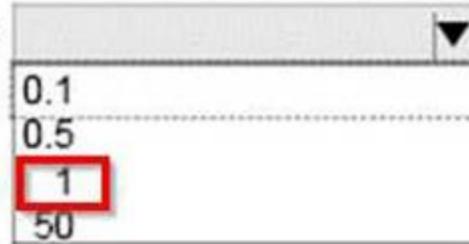
Explanation:

## Answer Area

Discount[Discount] was created by using the [answer choice] command.



The maximum value for the Discount slicer is [answer choice].



### NEW QUESTION 13

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 three types of visualizations should you include in the report? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. bubble maps
- B. custom visuals
- C. R visuals
- D. breadcrumbs
- E. funnel charts

Answer: ABE

Explanation:

References:

<https://docs.microsoft.com/en-us/power-bi/report-server/install-powerbi-desktop>

### NEW QUESTION 18

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

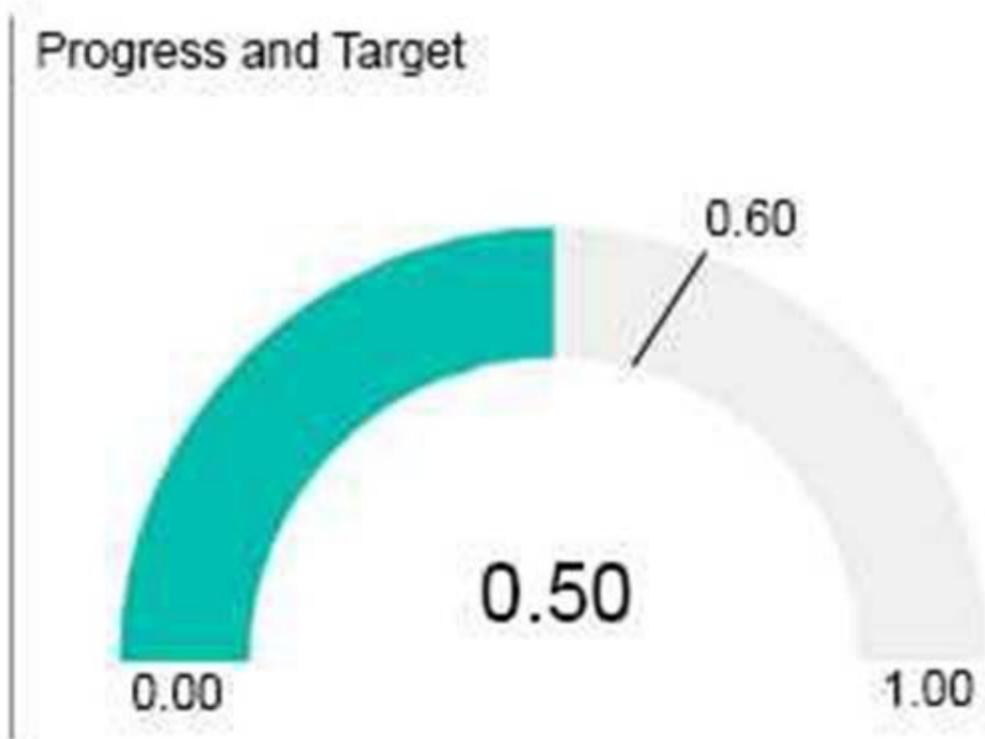
**Explanation:**

References:

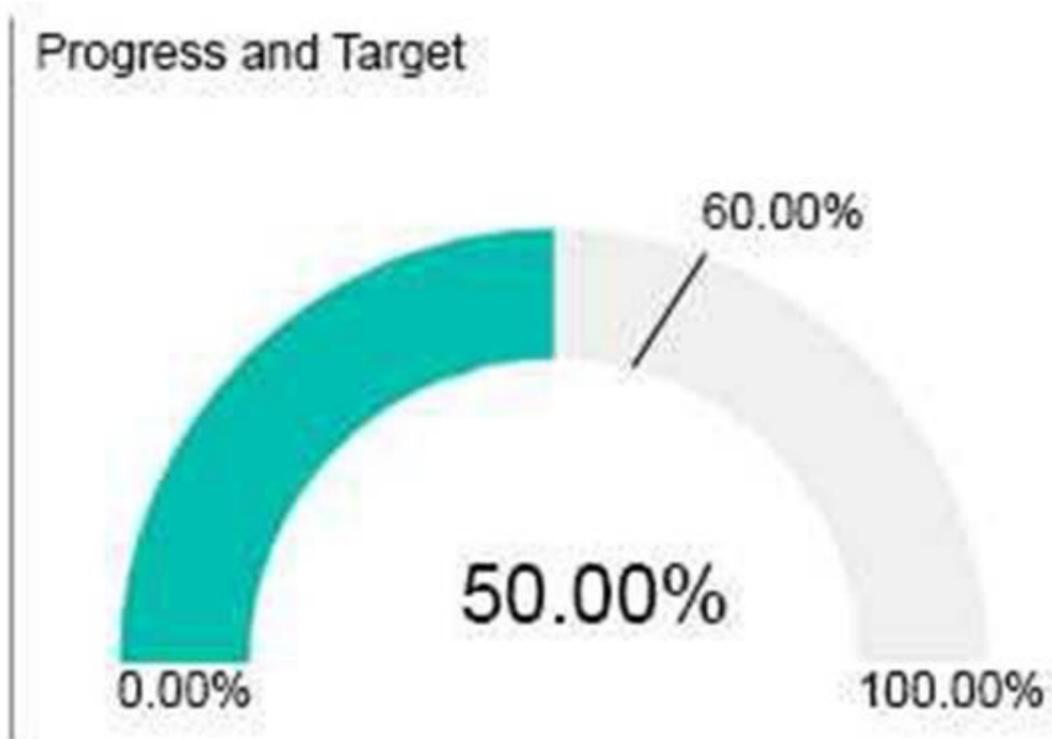
<https://docs.microsoft.com/en-us/power-bi/service-q-and-a-direct-query#limitations-during-public-preview>

**NEW QUESTION 22**

You have the visualization shown in the following exhibit.



You need to display the values as shown in the following exhibit.



What should you do?

- A. Create a calculated column that adds the % symbol to the values.
- B. From the Modeling tab, change the Data Type to Percentage.
- C. Edit the query of the data source and change the Data Type to Percentage.
- D. Create a measure that adds the % symbol to the values,

**Answer:** D

**NEW QUESTION 27**

You have a Power BI model for sales data. You create a measure to calculate the year-to-date sales.

You need to compare the year-to-date sales with the previous year for the same time period. Which DAX function should you use?

- A. LASTDATE
- B. TOTALYTFD
- C. SAMEPERIODLASTYEAR
- D. PREVIOUSYEAR

**Answer:** C

**NEW QUESTION 28**

You plan to use Power BI Desktop to create a report. The report will consume data from an on-premises tabular named SalesDB in Microsoft SQL Server Analysis

Services (SSAS). The report will be published to the Power BI service.

You need to ensure that the report published to the Power BI service will access the current data in SalesDB. What should you do?

- A. Deploy an on-premises data gateway and configure the connection to SalesDB to use the Import DataConnectivity mode.
- B. Deploy an on-premises data gateway and configure the connection to SalesDB to use the Connect live option.
- C. Deploy an on-premises data gateway (personal mode) and configure to SalesDB to use the DirectQuery Data Connectivity mode.
- D. Deploy an on-premises data gateway and configure the connection to SalesDB to use the DirectQuery Data Connectivity mode.

**Answer: D**

**Explanation:**

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

**NEW QUESTION 29**

You have a power BI model that contains the following tables:

Assets( AssetsID, AssetName, Purchase\_DateID, Value)

Date( DateID, Date, Month, Week, Year)

The tables have relationship. Date is marked as a date table in the Power BI model.

You need to create a measure to calculate the percentage that the total assets value increased since one year ago.

Which DAX formula should you use?

- A.  $(\text{sum}(\text{Assets}[\text{Value}]) - \text{CALCULATE}(\text{sum}(\text{Assets}[\text{Value}]), \text{SAMEPERIODLASTYEAR}('Date'[\text{Date}]))) / \text{CALCULATE}(\text{sum}(\text{Assets}[\text{Value}]), \text{DATEYTD}('Date'[\text{Date}])))$
- B.  $\text{CALCULATE}(\text{sum}(\text{Assets}[\text{Value}]), \text{DATEYTD}('Date'[\text{Date}])) / \text{sum}(\text{Assets}[\text{Value}])$
- C.  $\text{sum}(\text{Assets}[\text{Value}]) - \text{CALCULATE}(\text{sum}(\text{Assets}[\text{Value}]), \text{SAMEPERIODLASTYEAR}('Date'[\text{Date}])))$
- D.  $\text{CALCULATE}(\text{sum}(\text{Assets}[\text{Value}]), \text{SAMEPERIODLASTYEAR}('Date'[\text{Date}])) / \text{sum}(\text{Assets}[\text{Value}])$

**Answer: C**

**Explanation:**

References:

<https://msdn.microsoft.com/en-us/library/ee634825.aspx> <https://docs.microsoft.com/en-us/power-bi/desktop-quickstart-learn-dax-basics>

<https://msdn.microsoft.com/en-us/library/ee634972.aspx>

**NEW QUESTION 31**

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

Start of repeated scenario

You have a Microsoft SQL Server database that contains the following tables.

Table name	Column name	Data type
Order	Order_ID	Integer
	Order_date	Datetime
	Order_amount	Currency
	Customer_ID	Integer
	Order_ship_date	Datetime
	Store_ID	Varchar(100)
Customer	Customer_ID	Integer
	First_name	Varchar(100)
	Last_name	Varchar(100)
	Customer_photo	Binary
Date	Date_ID	Integer
	Date_name	Datetime
	Month	Integer
	Week	Integer
	Year	Integer
Monthly_returns	Month_ID	Integer
	Total_returns	Float
	Store_ID	Varchar(100)
Store	Store_ID	Integer
	Name	Varchar(100)
	City	Varchar(100)
	Sales_target	Float

The following columns contain data information:

Date[Month] in the mmyyyy format

Date[Date\_ID] in the ddmmyyyy format

Date[Date\_name] in the mm/dd/yyyy format

Monthly\_returns[Month\_ID] in the mmyyyy format

The Order table contains more than one million rows.

The Store table has relationship to the Monthly\_returns table on the Store\_ID column. This is the only relationship between the tables.

You plan to use Power BI desktop to create an analytics solution for the data. End of repeated scenario.

You need to display the month as a three-letter abbreviation, followed by the year, such as jan2017. You add a calculated column in Power BI.

Which DAX formula should you use for the calculated column? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Values	Answer Area
Combin	Column= [ ] (FORMAT (MONTH ([Date_name]) , " [ ]"), FORMAT(MONTH ([Date_name]), "yyyy" ))
CombinA	
CONCATENATE	
CONCATENATEX	
M	
MM	
MMM	
MMMM	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

CONCATENATE MMM

References: <https://msdn.microsoft.com/en-us/library/ee634811.aspx>

**NEW QUESTION 32**

Your company plans to use Power BI for 20 users in the sales department. The users will perform the following tasks:

- Access a published Power BI app
- Modify reports in an app workspace
- Share dashboards created in My Workspace

You need to identify which Power BI licenses are required for the tasks. The solution must use the Power BI (free) licenses, whenever possible.

Which license should you identify for each task? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

## Answer Area

Access a published Power BI app:

  
 Power BI (free)  
 Power BI PRO

Modify report in an app workspace:

  
 Power BI (free)  
 Power BI PRO

Share dashboards created in My Workspace:

  
 Power BI (free)  
 Power BI PRO

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

References:

<https://docs.microsoft.com/en-us/power-bi/service-create-distribute-apps> <https://docs.microsoft.com/en-us/power-bi/service-collaborate-power-bi-workspace>

**NEW QUESTION 36**

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

Start of repeated scenario

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

**Database Diagram**

<b>dimGeography</b>
[GeographyKey]
[City]
[StateProvinceCode]
[StateProvinceName]
[CountryRegionCode]
[EnglishCountryRegionName]
[PostalCode]
[SalesTerritoryKey]
[IpAddressLocator]

<b>dimCustomer</b>
[CustomerKey]
[GeographyKey]
[Display Name]
[MaritalStatus]
[Gender]
[YearlyIncome]

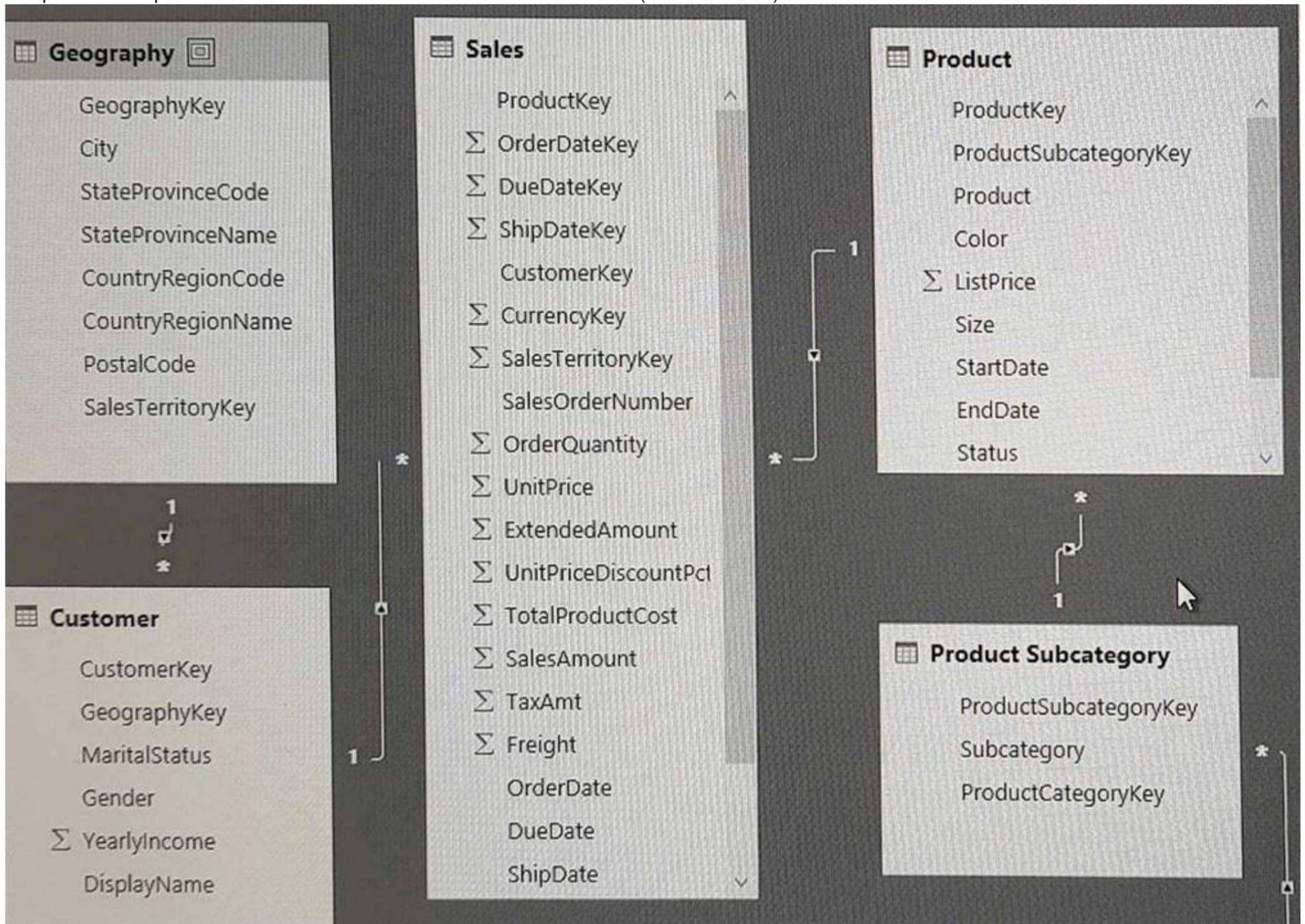
<b>Sales</b>
[ProductKey]
[OrderDateKey]
[DueDateKey]
[ShipDateKey]
[CustomerKey]
[PromotionKey]
[CurrencyKey]
[SalesTerritoryKey]
[SalesOrderNumber]
[SalesOrderLineNumber]
[OrderQuantity]
[UnitPrice]
[ExtendedAmount]
[UnitPriceDiscountpct]
[DiscountAmount]
[ProductStandardCost]
[TotalProductCost]
[SalesAmount]
[TaxAmt]
[Freight]
[OrderDate]
[DueDate]
[ShipDate]

<b>dimProduct</b>
[ProductKey]
[ProductsSubcategoryKey]
[EnglishProductName]
[Color]
[ListPrice]
[Size]
[StartDate]
[EndDate]
[Status]

<b>dimProductSubcategory</b>
[ProductSubcategoryKey]
[ProductSubcategoryAlternateKey]
[EnglishProductSubcategoryName]
[SpanishProductSubcategoryName]
[FrenchProductSubcategoryName]
[ProductCategoryKey]

<b>dimProductCategory</b>
[ProductCategoryKey]
[ProductCategoryAlternateKey]
[EnglishProductCategoryName]
[SpanishProductCategoryName]
[FrenchProductCategoryName]

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



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

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

Rank	Product	SalesAmount
1	Product3	13,0000
1	Product2	13,0000
2	Product1	12,0000
3	Product5	10,000
3	Product4	10,000

Which DAX formula should you use?

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

**Answer: B**

**Explanation:**

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

**NEW QUESTION 39**

You have a column named phone\_number. The values in the columns are in one of the following formats:

999-999-9999x123

1-999-999-9999x232

+1-999-999-9999x66x666

The values after x in the phone-number column indicate the phone extension.

You need to create a custom column in Query Editor that contains only the phone extensions.

How should you complete the query? 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.

**Answer Area**

- AfterDelimiter
- PositionOf
- PositionOfAny
- Range
- RelativePosition
- Removerange
- TrimEnd

Text.  ([phone\_number], "x",  
 {0,  .FromEnd})

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

References: <https://msdn.microsoft.com/en-us/library/mt798301.aspx>

**NEW QUESTION 44**

You need to create a dashboard in the Power BI service to display data from a PubNub source. What should you do?

- A. Add a Microsoft SQL Server Analysis Services (SSAS) data source that uses Connect live and create a repor
- B. Pin the report to a dashboard.
- C. Create an app workspace and publish the workspace to a dashboard.
- D. Add a Microsoft Azure SQL database data source that uses DirectQuery and create a repor
- E. Pin the report to a dashboard.
- F. Add a custom streaming data tile to a dashboard.

**Answer:** D

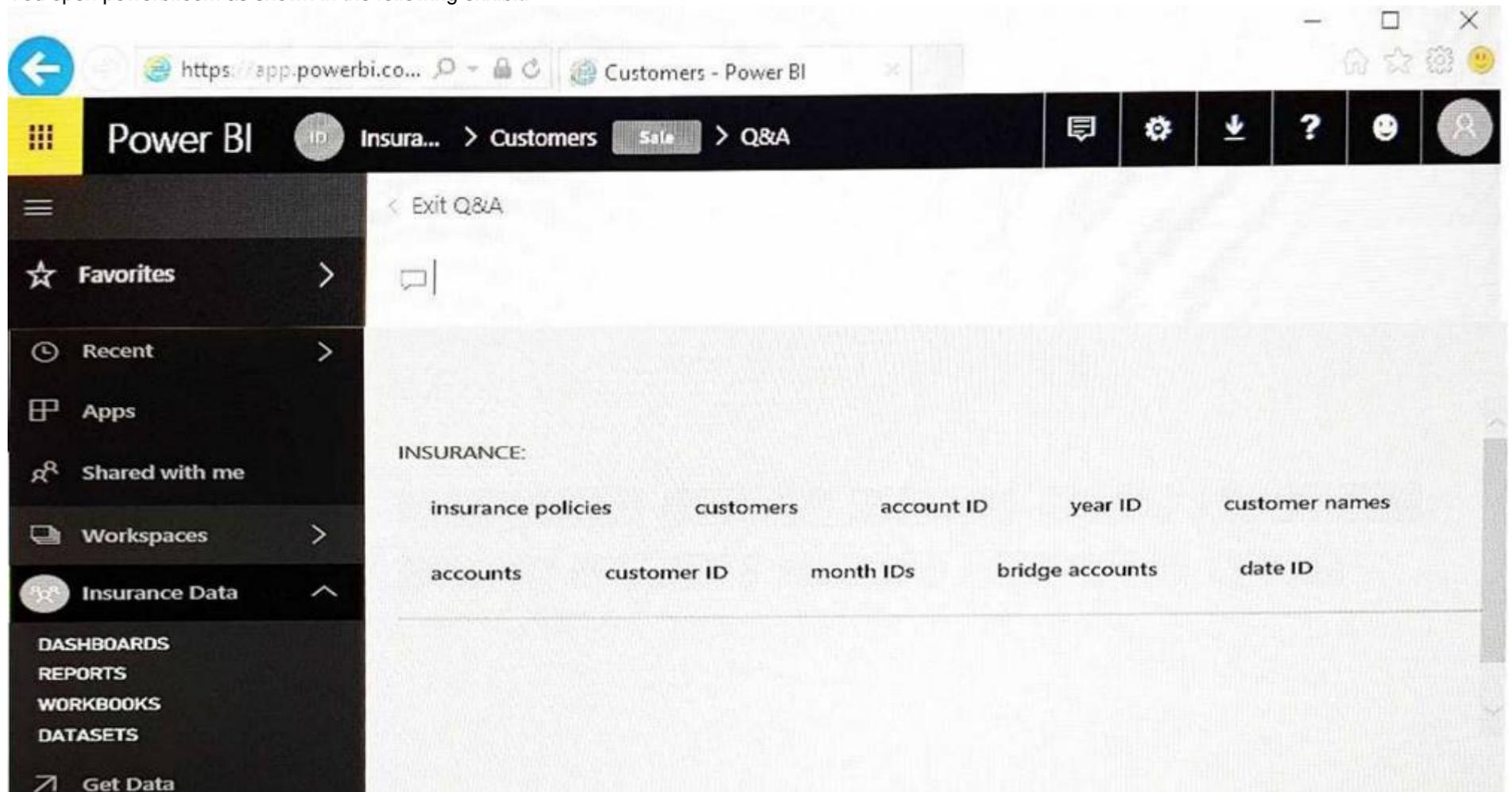
**Explanation:**

References:

<https://docs.microsoft.com/en-us/power-bi/service-real-time-streaming#set-up-your-real-time-streaming-dataset->

**NEW QUESTION 46**

You open powerbi.com 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.

**Answer Area**

**A tenant administrator created a data classification that has a shorthand of [answer choice].**

▼

Customers  
 Insurance  
 Insurance Data  
 Sale

**The dashboard uses a dataset named [answer choice].**

▼

Customers  
 Insurance  
 Insurance Data  
 Sale

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

References: <https://docs.microsoft.com/en-us/power-bi/service-data-classification>

**NEW QUESTION 50**

You have a customer table in Power BI Desktop. The customer table contains the columns as shown in the following table.

CustomerID	Display Name	SSN
1	Smith, John	987-65-4321
2	Smith, Gail	123-45-6789
3	White, Tony	010-20-4567
4	Mark, Keith	890-67-5432

You need to create a custom column that hides the first three digits of the SSN. The values in the new column must have the xxx-99-9999 format. How should you complete the Query Editor formula? 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**

Text.End

Text.Insert

Text.Range

Text.Replace

Text.Start

**Answer Area**

Value

([SSN],

Value

([SSN],4),

"xxx-"

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Text.Replace

Box 2: Text.Start References:

<https://msdn.microsoft.com/query-bi/m/text-replace> <https://msdn.microsoft.com/en-us/query-bi/m/text-start>

**NEW QUESTION 53**

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

Start of repeated scenario

You have a Microsoft SQL Server database that contains the following tables.

Table name	Column name	Data type
Order	Order_ID	Integer
	Order_date	Datetime
	Order_amount	Currency
	Customer_ID	Integer
	Order_ship_date	Datetime
	Store_ID	Varchar(100)
Customer	Customer_ID	Integer
	First_name	Varchar(100)
	Last_name	Varchar(100)
	Customer_photo	Binary
Date	Date_ID	Integer
	Date_name	Datetime
	Month	Integer
	Week	Integer
	Year	Integer
Monthly_returns	Month_ID	Integer
	Total_returns	Float
	Store_ID	Varchar(100)
Store	Store_ID	Integer
	Name	Varchar(100)
	City	Varchar(100)
	Sales_target	Float

The following columns contain data information:

Date[Month] in the mmyyyy format

Date[Date\_ID] in the ddmmyyyy format

Date[Date\_name] in the mm/dd/yyyy format

Monthly\_returns[Month\_ID] in the mmyyyy format

The Order table contains more than one million rows.

The Store table has relationship to the Monthly\_returns table on the Store\_ID column. This is the only relationship between the tables.

You plan to use Power BI desktop to create an analytics solution for the data.

End of repeated scenario.

You need to configure a KPI indicator to show the monthly sales of a store versus the target sales of the store. How should you configure the KPI indicator? To answer, drag the appropriate column to the correct fields.

Each column 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.

COLUMNS	Answer Area
Date[Date_name]	Indicator: <span style="border: 1px dashed black; padding: 5px; margin-left: 20px;">COLUMNS</span>
Date[Month]	Trend axis: <span style="border: 1px dashed black; padding: 5px; margin-left: 20px;">COLUMNS</span>
Order[Order_amount]	Target goals: <span style="border: 1px dashed black; padding: 5px; margin-left: 20px;">COLUMNS</span>
Order[Order_ID]	
Store[Sales-target]	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Indicator : Order[Order\_amount] Trend axis = Date[Month]

Target goals = Store[Sales-target]

References:

<https://powerbi.microsoft.com/en-us/guided-learning/powerbi-service-tutorial-kpi/#how-to-create-a-kpi>

**NEW QUESTION 57**

You have a Power Pivot model that includes a KPI.

You need to create a visualization based on the Power Pivot model as shown in the exhibit. (Click the Exhibit button.)

Year	Month	RevenueTY	RevenueTY Goal	RevenueTY Status
2013	August	\$4,689,121	\$4,521,528	●
	September	\$5,284,376	\$5,455,457	●
	October	\$5,962,371	\$6,418,957	●
	November	\$5,532,316	\$5,770,254	●
	December	\$6,714,041	\$6,771,982	●
2014	January	\$6,748,259	\$6,924,711	●
	February	\$6,999,557	\$7,328,599	●
	March	\$8,938,044	\$8,196,823	●
	April	\$8,518,611	\$8,142,711	●
	May	\$7,982,229	\$7,817,442	●
	June	\$9,183,416	\$9,227,351	●
	July	\$7,451,696	\$7,593,963	●
	August	\$8,068,372	\$7,791,851	●
	September	\$7,669,263	\$7,919,924	●
	October	\$7,813,739	\$7,592,288	●
	November	\$10,322...	\$9,857,259	●

Which type of visualization should you use?

- A. matrix
- B. KPI
- C. multi row card
- D. table

**Answer:** B

**NEW QUESTION 60**

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

Sales (Order\_id, Order\_Date, Product\_id, Salesperson\_id, Sales\_Amount)

Salesperson (Salesperson\_id, Salesperson\_name, address)

Product (Product\_id, Product\_Name)

You need to create the following relationships:

Sales to Product

Sales to Sales person

You need to ensure that you can create a report that displays the count of products sold by each salesperson. How should you configure the relationships? To answer, drag the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

**Answer Area**

**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:**

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

#### NEW QUESTION 65

You have an on-premises Power BI Report Server.

You plan to create a report in Power BI Desktop and publish the report to the report server. Which data source should the report use?

- A. Microsoft Azure SQL Database
- B. a Microsoft SQL Server database
- C. a Microsoft SQL Server Analysis Services (SSAS) database
- D. Microsoft Excel

**Answer:** C

**Explanation:**

References:

<https://docs.microsoft.com/en-us/power-bi/report-server/quickstart-create-powerbi-report> <https://docs.microsoft.com/en-us/power-bi/report-server/connect-data-sources>

#### NEW QUESTION 70

Note: This question is a 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.

Your company has 1,000 users in a Microsoft Office 365 subscription.

A Power BI administrator named Admin1 creates 20 dashboards and shares them with 50 users. You discover that a user name User1 can access all the dashboards.

You need to prevent User1 from accessing all the dashboards.

Solution: From the Power BI Admin portal, you modify the Dashboard settings. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

References:

<https://docs.microsoft.com/en-us/power-bi/service-admin-administering-power-bi-in-your-organization#how-do>

#### NEW QUESTION 75

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

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

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

**Answer:** D

**Explanation:**

References:

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

#### NEW QUESTION 78

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

Start of repeated scenario

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

**Database Diagram**

dimGeography
[GeographyKey]
[City]
[StateProvinceCode]
[StateProvinceName]
[CountryRegionCode]
[EnglishCountryRegionName]
[PostalCode]
[SalesTerritoryKey]
[IpAddressLocator]

Sales
[ProductKey]
[OrderDateKey]
[DueDateKey]
[ShipDateKey]
[CustomerKey]
[PromotionKey]
[CurrencyKey]
[SalesTerritoryKey]
[SalesOrderNumber]
[SalesOrderLineNumber]
[OrderQuantity]
[UnitPrice]
[ExtendedAmount]
[UnitPriceDiscountpct]
[DiscountAmount]
[ProductStandardCost]
[TotalProductCost]
[SalesAmount]
[TaxAmt]
[Freight]
[OrderDate]
[DueDate]
[ShipDate]

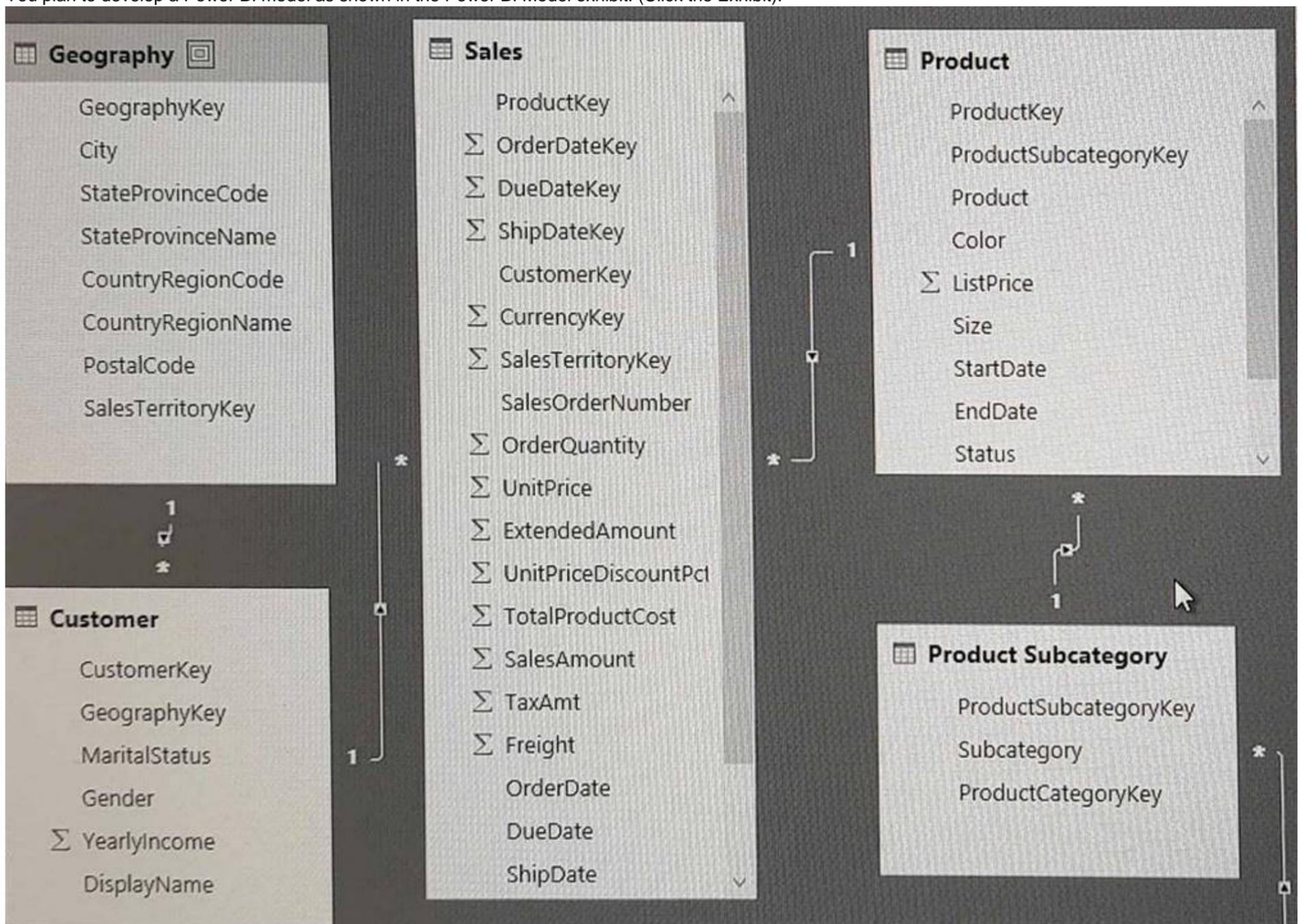
dimProduct
[ProductKey]
[ProductsSubcategoryKey]
[EnglishProductName]
[Color]
[ListPrice]
[Size]
[StartDate]
[EndDate]
[Status]

dimProductSubcategory
[ProductSubcategoryKey]
[ProductSubcategoryAlternateKey]
[EnglishProductSubcategoryName]
[SpanishProductSubcategoryName]
[FrenchProductSubcategoryName]
[ProductCategoryKey]

dimCustomer
[CustomerKey]
[GeographyKey]
[Display Name]
[MaritalStatus]
[Gender]
[YearlyIncome]

dimProductCategory
[ProductCategoryKey]
[ProductCategoryAlternateKey]
[EnglishProductCategoryName]
[SpanishProductCategoryName]
[FrenchProductCategoryName]

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



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

You need to edit the Product Category table query to match the desired Power BI model.

How should you complete the advanced query? 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 frag the split bar between panes or scroll to view content. NOTE: Each correct selection is worth one point.

**Values**

**Answer Area**

- Table.Combine
- Table.RemovedColumns
- Table.RemoveRows
- Table.RenameColumns
- Table.ReorderColumns
- Table.SelectColumns

```
let
    Source= Sql.Databases ("localhost"),
    DB1= Source {[Name= "DB1"]} [Data],
    dbo_DimProductCategory= DB1{[Schema= "dbo, Item= "DimProductCategory"]} [Data],
    #"Var1" = Value
    (dbo_DimProductCategory, {"ProductCategoryAternateKey",
    "SpanishProductCategoryName", "FrenchProductCategoryName"}),
    #"Var2" = Value
    (#"Var1", {{ "EnglishProductCategoryName", "Category"}, {"DimProductSubcategory", "Subcategory"}})
in
    #"Var2"
```

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

References:

<https://msdn.microsoft.com/en-us/library/mt260776.aspx> <https://msdn.microsoft.com/en-us/library/mt260808.aspx>

**NEW QUESTION 83**

You need to create a custom visualization for Power BI. What should you install first?

- A. jQuery
- B. Node.js
- C. Microsoft Azure PowerShell
- D. Microsoft.NET

**Answer:** B

**Explanation:**

References:

<https://docs.microsoft.com/en-us/power-bi/service-custom-visuals-getting-started-with-developer-tools>

**NEW QUESTION 87**

You have a Power BI model that has a date table. A sample of the data shown in the following table.

Date	Day	Week	Month	Year
2014-12-01	1	27	12	2014
2014-12-02	2	27	12	2014
2014-12-03	3	27	12	2014
2014-12-04	4	27	12	2014

You need to add a column to display the date in the format of December 01, 2014. Which DAX formula should you use in Power BI Desktop?

- A. FORMAT([Date], "MMM") & " " & FORMAT([Date], "DO") & ", " & FORMAT([Date], "YYYY")
- B. FORMAT([Date], "MM") & " " & FORMAT([Date], "DO") & ", " & FORMAT([Date], "YYYY")
- C. [Date].[Month] & " " & FORMAT([Date], "D") & ", " & [Date].[Year]

D. FORMAT([Date], "MMMM DO, YYYY")

**Answer:** D

**NEW QUESTION 88**

You have the following two tables:

- Subscriber (SubscriberID, EnrollmentDate, ServicePlan)
- Date (Date, Month, Week, Year)

There is a relationship between Subscriber [EnrollmentDate] and Date[Date].

You plan to create a KPI for the number of subscribers enrolled in the current year.

You need to create a goal that is five percent more than the number of subscribers enrolled during the previous calendar year.

How should you complete the DAX formula? 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
CALCULATE	goal= [ ] ( [ ] ('Subscriber' [SubscriberID]),
COUNT	[ ] ('Date'[Date]))*1.05
DATESYTD	
PARALLELPERIOD	
PREVIOUSYEAR	
SUMX	
TOTALYTD	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

CALCULATE

COUNT PREVIOUSYEAR

References:

[https://msdn.microsoft.com/en-us/library/hh272049\(v=sql.110\).aspx](https://msdn.microsoft.com/en-us/library/hh272049(v=sql.110).aspx) <https://msdn.microsoft.com/en-us/library/ee634770.aspx>

**NEW QUESTION 90**

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

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

You have a Power BI model that contains two tables named Sales and Date. Sales contains four columns named TotalCost, DueDate, ShipDate, and OrderDate.

Date contains two columns named Date and Time.

The tables have the following relationships:

Sales [DueDate] and Date [Date]

Sales [ShipDate] and Date [Date]

Sales [OrderDate] and Date [Date]

The active relationship is on Sales [DueDate].

You need to create measures to count the number of orders by [ShipDate] and orders by [OrderDate]. You must meet the goal without loading any additional data.

Solution: You create measures that use the CALCULATE, COUNT, and FILTER DAX functions. Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

**Explanation:**

References:

<https://msdn.microsoft.com/en-us/library/ee634966.aspx> <https://msdn.microsoft.com/en-us/library/ee634825.aspx> <https://msdn.microsoft.com/en-us/library/ee634791.aspx>

**NEW QUESTION 92**

You have a query that retrieves sales data. A sample of the data is shown in the following table.

Date	CustomerId	ProductId	Quantity
10/10/2016	8877	8878	5
<i>null</i>	8877	8879	5
<i>null</i>	8877	8880	5
10/11/2016	5723	1234	2
<i>null</i>	5723	1235	3
<i>null</i>	5723	1236	5
<i>null</i>	5723	1237	10
10/12/2016	4356	4401	11
<i>null</i>	5723	4908	2

You need to ensure that the values in the Date column contain a date. Null values must be replaced with the date from the previous row. What should you click on the Transform tab in Query Editor?

- A. Format, and then Clean
- B. Date, and then Earliest
- C. Fill, and then Down
- D. Replace Values, and then Replace Errors

**Answer: C**

**Explanation:**

References:

<https://www.excelcampus.com/library/fill-down-blank-null-cells-power-query/>

**NEW QUESTION 95**

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

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

You have a query for a table named Sales. Sales has a column named CustomerID. The Data type of CustomerID is Whole Number.

You refresh the data and find several errors. You discover that new entries in the Sales table contain nonnumeric values.

You need to ensure that nonnumeric values in the CustomerID column are set to 0. Solution: From Query Editor, select the CustomerID column and click Replace Values... Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

**NEW QUESTION 99**

You have a Power BI report in an app workspace.

You plan to embed a report from the app workspace into a line-of-business application by using Power BI Embedded.

Which information should you provide to the application developers?

- A. The application token and the report URL
- B. The report URL and a user name
- C. The app workspace name and the access key
- D. The access key and the report ID

**Answer: C**

**Explanation:**

References: <https://docs.microsoft.com/en-us/power-bi/developer/integrate-report>

**NEW QUESTION 103**

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

Start of repeated scenario.

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

dimGeography
[GeographyKey]
[City]
[StateProvinceCode]
[StateProvinceName]
[CountryRegionCode]
[EnglishCountryRegionName]
[PostalCode]
[SalesTerritoryKey]
[IpAddressLocator]

Sales
[ProductKey]
[OrderDateKey]
[DueDateKey]
[ShipDateKey]
[CustomerKey]
[PromotionKey]
[CurrencyKey]
[SalesTerritoryKey]
[SalesOrderNumber]
[SalesOrderLineNumber]
[OrderQuantity]
[UnitPrice]
[ExtendedAmount]
[UnitPriceDiscountPct]
[DiscountAmount]
ProductStandardCost]
[TotalProductCost]
[SalesAmount]
[TaxAmt]
[Freight]
[OrderDate]
[DueDate]
[ShipDate]

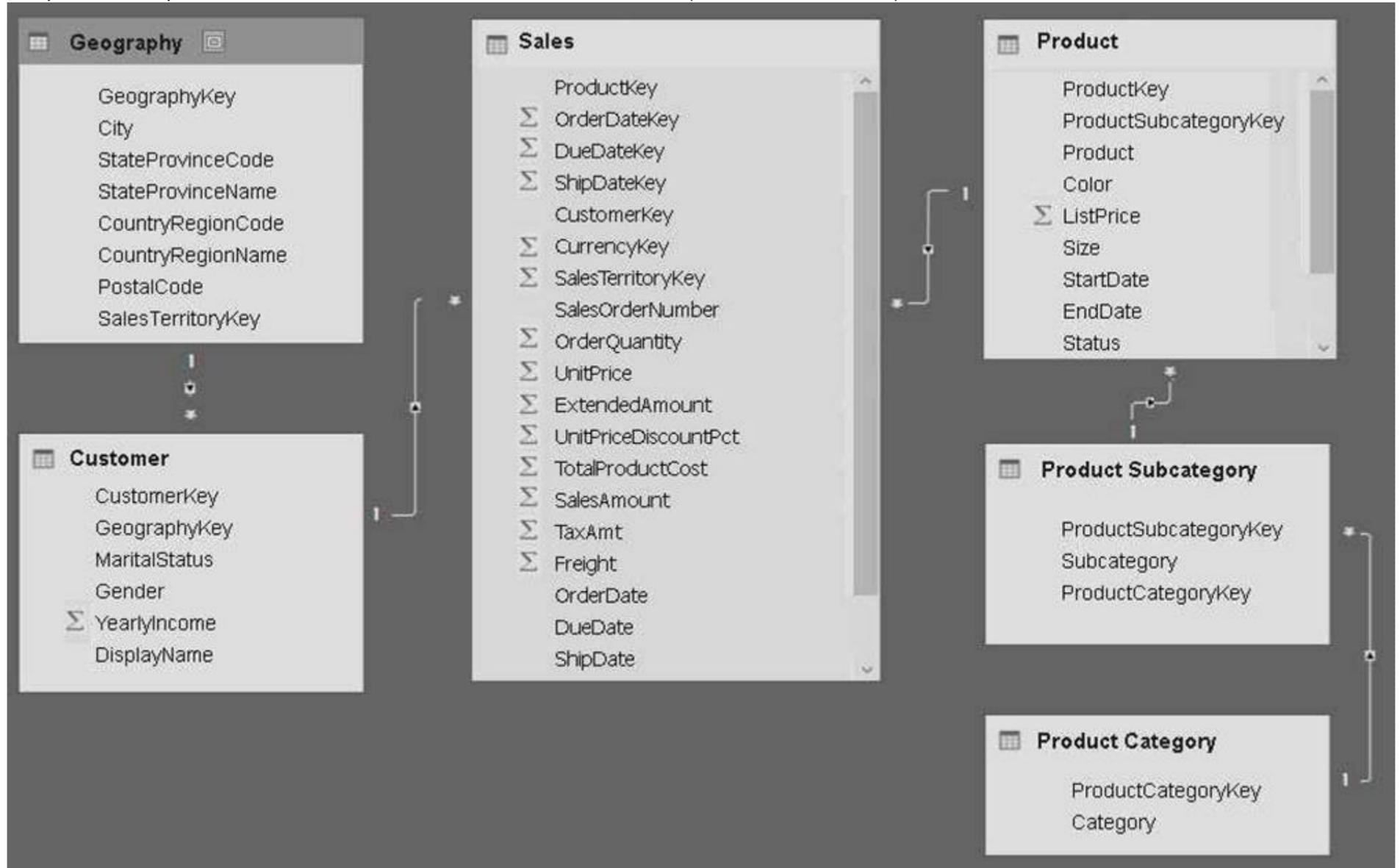
dimProduct
[ProductKey]
[ProductSubcategoryKey]
[EnglishProductName]
[Color]
[ListPrice]
[Size]
[StartDate]
[EndDate]
[Status]

dimCustomer
[CustomerKey]
[GeographyKey]
[DisplayName]
[MaritalStatus]
[Gender]
[YearlyIncome]

dimProductSubcategory
[ProductSubcategoryKey]
[ProductSubcategoryAlternateKey]
[EnglishProductSubcategoryName]
[SpanishProductSubcategoryName]
[FrenchProductSubcategoryName]
[ProductCategoryKey]

dimProductCategory
[ProductCategoryKey]
[ProductCategoryAlternateKey]
[EnglishProductCategoryName]
[SpanishProductCategoryName]
[FrenchProductCategoryName]

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



You plan to use Power BI to import data from 2013 to 2015. Product Subcategory[Subcategory] contains NULL values. End of Repeated Scenario. You need to create a measure of Sales[SalesAmount] where Product[Color] is Red or Product[Size] is 50. Which DAX formula should you use?

A

```
[Total Sales] :=
CALCULATE (
    SUM([SalesAmount]),
    All('Product'[Color], 'Product'[Size])
)
```

B

```
[Total Sales] :=
CALCULATE (
    SUM([SalesAmount]),
    'Product'[Color] = "Red" || 'Product'[Size] = 50
)
```

C

```
[Total Sales] :=
CALCULATE (
    SUM([SalesAmount]),
    FILTER (
        'Product',
        'Product'[Color] = "Red" ||
        'Product'[Size] = 50
    )
)
```

D

```
[Total Sales] :=
CALCULATE (
    SUM([SalesAmount]),
    FILTER (
        'Product'[Color] = "Red" ||
        'Product'[Size] = 50
    )
)
```

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

Answer: C

#### NEW QUESTION 105

You have an app workspace that contains two datasets named dataset1 and dataset2. Dataset1 connects to a Microsoft Azure SQL database. Dataset2 connects to a Microsoft Excel file stored in Microsoft OneDrive for Business.

You create a report named Report1 that uses dataset1. You pin Report1 to a dashboard named Dashboard1.

You publish the app workspace to all the users in your organization. You need to delete dataset2 from the app workspace.

What should you do first?

- A. Delete Dashboard1.
- B. Delete Report1.
- C. Unpublish the app.
- D. Configure the refresh settings for Dataset2.

Answer: C

#### NEW QUESTION 110

Your organization has a Microsoft Office 365 subscription.

When the users attempt to access the Power BI Service, they receive the error message shown in the exhibit. (Click the Exhibit button.)



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

- A. From the Microsoft Azure Active Directory admin center, assign a Power BI (free) license to each user.
- B. From the Power BI Admin portal, modify the Tenant settings.
- C. From Microsoft Azure PowerShell, run the Set-MsolCompanySettings cmdlet.
- D. From the properties of each dashboard, modify the Share dashboard settings.

**Answer:** C

**Explanation:**

You need to run the following cmdlet: Set-MsolCompanySettings -AllowAdHocSubscriptions \$true

**NEW QUESTION 115**

You are creating a report in Power BI Desktop. You are consuming the following tables.

Total name	Column name	Data type
Sales	SalesID	Integer
	SalesDate	Datetime
	TotalPrice	Float
	CustomerID	Integer
	SalesShipDate	Datetime
	StoreID	Integer
Date	Date	Datetime
	DateKey	Integer
	DateName	Datetime
	MonthNumber	Integer
	Week	Integer
	MonthName	Varchar(3)
	Year	Integer

Date[Date] is in the mm/dd/yyyy format. Date[DateKey] is in the ddmmyyyy format. Date[MonthNumber] is in the mm format. Date[MonthName] is in the mmm format.

You create the report shown in the exhibit. (Click the Exhibit button.)



You need to ensure that the months appear in the order of the calendar. How should you sort the MonthName column?

- A. by MonthNumber
- B. ascending
- C. descending
- D. by DateKey

**Answer:** A

**Explanation:**

References:  
<http://ppmworks.com/sorting-month-names-chronologically-in-microsoft-power-bi-reports/>

**NEW QUESTION 119**

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 user named User1. User1 is a member of a security group named Contoso PowerBI. User1 has access to a workspace named Contoso Workspace. You need to prevent User1 from exporting data from the visualizations in Contoso Workspace. Solution: From the PowerBI setting, you modify the Developer Settings. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**NEW QUESTION 124**

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution. After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. You have a Microsoft Excel workbook that is saved to Microsoft SharePoint Online. The workbook contains several Power View sheets. You need to recreate the Power View sheets as reports in the Power BI service. Solution: From the Power BI service, get the data from SharePoint Online, and then click Import. Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

**Explanation:**

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

**NEW QUESTION 129**

You have the following two queries in Power BI Desktop:  
 A query named Query1 that retrieves a table named SMB\_Customers from a Microsoft SQL Server database  
 A query named Query2 that retrieves a table named Enterprise\_Customers from an Oracle database Both tables have the same columns. You need to combine the data from SMB\_Customers and Enterprise\_Customers. Which command should you use?

- A. Combine Files
- B. Merge Columns
- C. Merge Queries
- D. Append Queries

**Answer:** D

**Explanation:**

References:  
<http://radacad.com/append-vs-merge-in-power-bi-and-power-query>

**NEW QUESTION 131**

You have a Microsoft Excel spreadsheet that contains a table named Sales. You need to add the Sales table to a Power BI dashboard as a tile. How should you configure the tile?

- A. From the Power BI service, import the data from the Excel workbook.
- B. From Excel, publish the workbook to the Power BI service.
- C. From the Power BI tab in Excel, pin the table.
- D. From the Power BI service, upload the Excel workbook.

**Answer:** C

**Explanation:**

References: <https://docs.microsoft.com/en-us/power-bi/publisher-for-excel>

**NEW QUESTION 136**

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