DUMPSARENA

Analyzing and Visualizing Data with Microsoft Power BI

Microsoft 70-778

Version Demo

Total Demo Questions: 10

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QUESTION NO: 1

You have the following tables.

Table name	Column name	Data Type
Subscriber	SubscriberID	Whole Number
	StartDate	Date
	EndDate	Date
Date	Date	Date
	Day	Text
	Month	Text
	Year	Whole Number

There is a many-to-one relationship from Subscriber to Date that uses Subscriber[StartDate] and Date[Date]. The Cross filter direction of the relationship is set to Single.

You plan to create a column chart that displays the following two measures:

- Count of SubscriberID by Month based on the StartDate
- Count of SubscriberID by Month based on the EndDate

What should you do before you create the measures?

A. Create an active one-to-one relationship from Subscriber[EndDate] to Date[Date].

B. Change the Cross filter direction of the active relationship to Both.

C. Change the active relationship to many-to-one.

D. Create an inactive many-to-one relationship from Subscriber[EndDate] to Date[Date].

ANSWER: B

Explanation:

Cross filter direction, both: The most common, default direction, which means for filtering purposes, both tables are treated as if they're a single table. Both works well with a single table that has a number of lookup tables that surround it. An example is a Sales actuals table with a lookup table for department.

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. Cardinality, Cross filter direction, and Active properties are automatically set. However, you can change the settings if necessary.

Cross filter direction, single: Filtering choices in connected tables work on the table where values are being aggregated. If you import a Power Pivot in Excel 2013 or earlier data model, all relationships will have a single direction.

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

QUESTION NO: 2

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 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	Integer
	Order_amount	Currency
	Customer_ID	Integer
	Order_ship_date	Integer
	Store_ID	Integer
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 date 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 a 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 plan to create a chart that displays total Order[Order_amount] by Store[Name].

You need to modify the model to ensure that you can create the chart.

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

NOTE: Each correct selection is worth one point.

A. Create a relationship between the Order table and the Store table.

B. To the Order table, add a measure that uses the COUNTA('Order'[Order_ID]) DAX formula.

C. To the Order table, add a column that uses the RELATED('Store'[Store_ID]) DAX formula.

D. To the Order table, add a measure that uses the COUNT('Order'[Order_amount]) DAX formula.

ANSWER: A C

QUESTION NO: 3

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 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	Integer
	Order_amount	Currency
	Customer_ID	Integer
	Order_ship_date	Integer
	Store_ID	Integer
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 date 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 a 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 are modeling the data in Power BI.

You need to import only a sample of the data from the Order table.

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

NOTE: Each correct selection is worth one point.

A. From Query Editor, create a custom column that uses a custom column formula.

B. From Query Editor, add a SELECT statement that uses a WHERE clause to the source definition.

C. In the Power BI model, create a calculated table.

D. From Query Editor, filter the table by Order_date.

E. From Query Editor, create a column by using Column From Examples.

ANSWER: B D

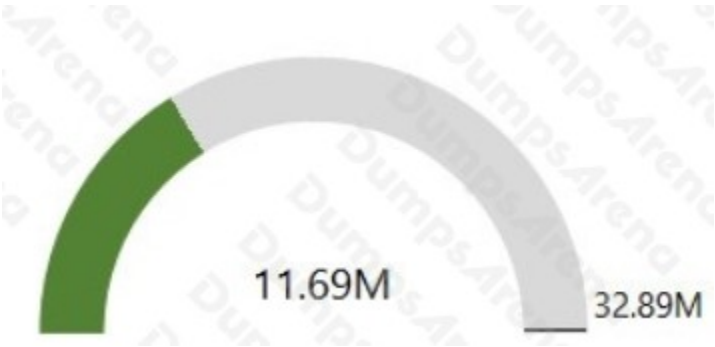
QUESTION NO: 4 - (DRAG DROP)

DRAG DROP

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].

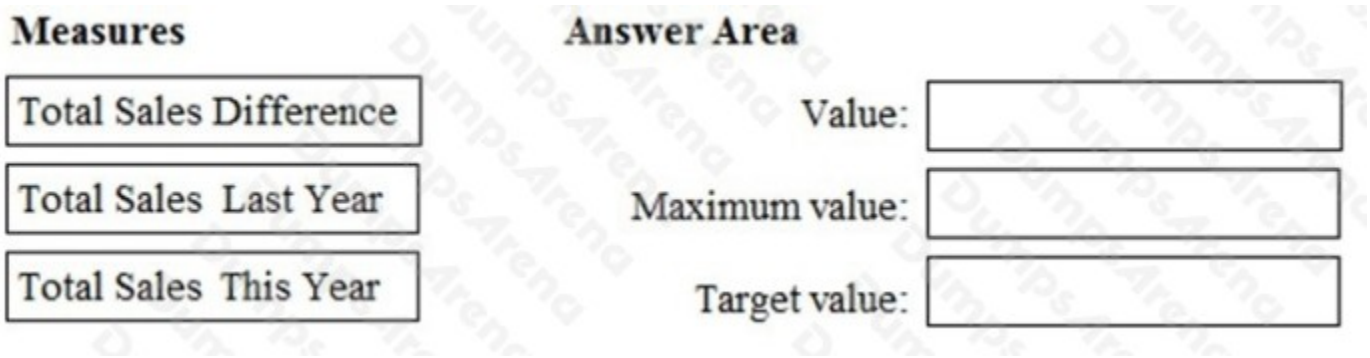
You need to create the following visualization.



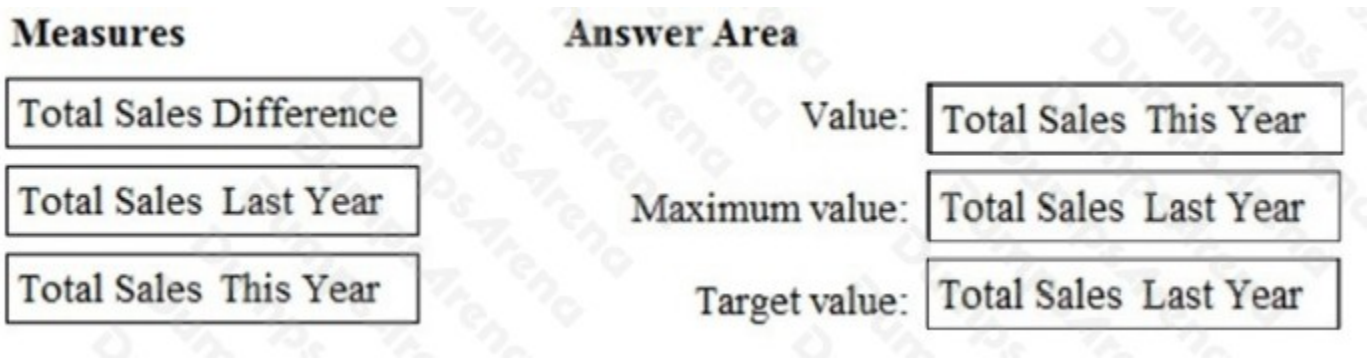
How should you configure the visualization? To answer, drag the appropriate measures to the correct fields. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:



ANSWER:



Explanation:

References:

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

QUESTION NO: 5 - (HOTSPOT)

HOTSPOT

You have a query that retrieves data from a Microsoft Azure SQL database.

You discover that a column named ErrorCode has several values starting with a space character, and a column named SubStatus contains several non-printable characters.

You need to remove all the leading whitespaces from ErrorCode and all the non-printable characters from SubStatus. All other data must be retained.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

ErrorCode:

- From the Extract menu, click First Characters.
- From the Extract menu, click Length.
- From the Format menu, click Clean.
- From the Format menu, click Trim.

SubStatus:

- From the Extract menu, click First Characters.
- From the Extract menu, click Length.
- From the Format menu, click Clean.
- From the Format menu, click Trim.

ANSWER:

Answer Area

ErrorCode:

- From the Extract menu, click First Characters.
- From the Extract menu, click Length.
- From the Format menu, click Clean.
- From the Format menu, click Trim.

SubStatus:

- From the Extract menu, click First Characters.
- From the Extract menu, click Length.
- From the Format menu, click Clean.
- From the Format menu, click Trim.

Explanation:

References: https://msdn.microsoft.com/en-us/library/mt260494.aspx https://msdn.microsoft.com/en-us/library/mt253328.aspx

QUESTION NO: 6

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: A B C

QUESTION NO: 7

You create a report in the Power BI service.

You plan to provide external users with access to the report by publishing the report to a public blog.

You need to ensure that the report in the blog post will be updated as the data is refreshed.

What should you do in the Power BI service?

A. Publish the app workspace to the entire organization. In the blog post, use the URL of the app workspace.

B. Share the report. In the blog post, use the URL of the dashboard.

C. Publish the report to the web. In the blog post, use the embed code URL.

D. In the blog post, use the URL of the report.

ANSWER: C

Explanation:

References: https://docs.microsoft.com/en-us/power-bi/service-publish-to-web

QUESTION NO: 8

You have a Power BI report that displays a bar chart and a donut chart on the same page. The bar chart shows the total sales by year and the donut chart shows the total sale by category.

You need to ensure that when you select a year on the bar chart, the donut chart remains unchanged.

What should you do?

A. Edit the interactions from the Format menu.

B. Set a visual level filter on the bar chart.

C. Set a visual level filter on the donut chart.

D. Add a slicer to the page that uses the year column.

ANSWER: A

Explanation:

References: https://www.excelguru.ca/blog/2016/11/23/visual-interactions-in-power-bi/

QUESTION NO: 9 - (DRAG DROP)

DRAG DROP

You create a new app workspace. You add a user named User1 as a member of the workspace. User1 can edit content.

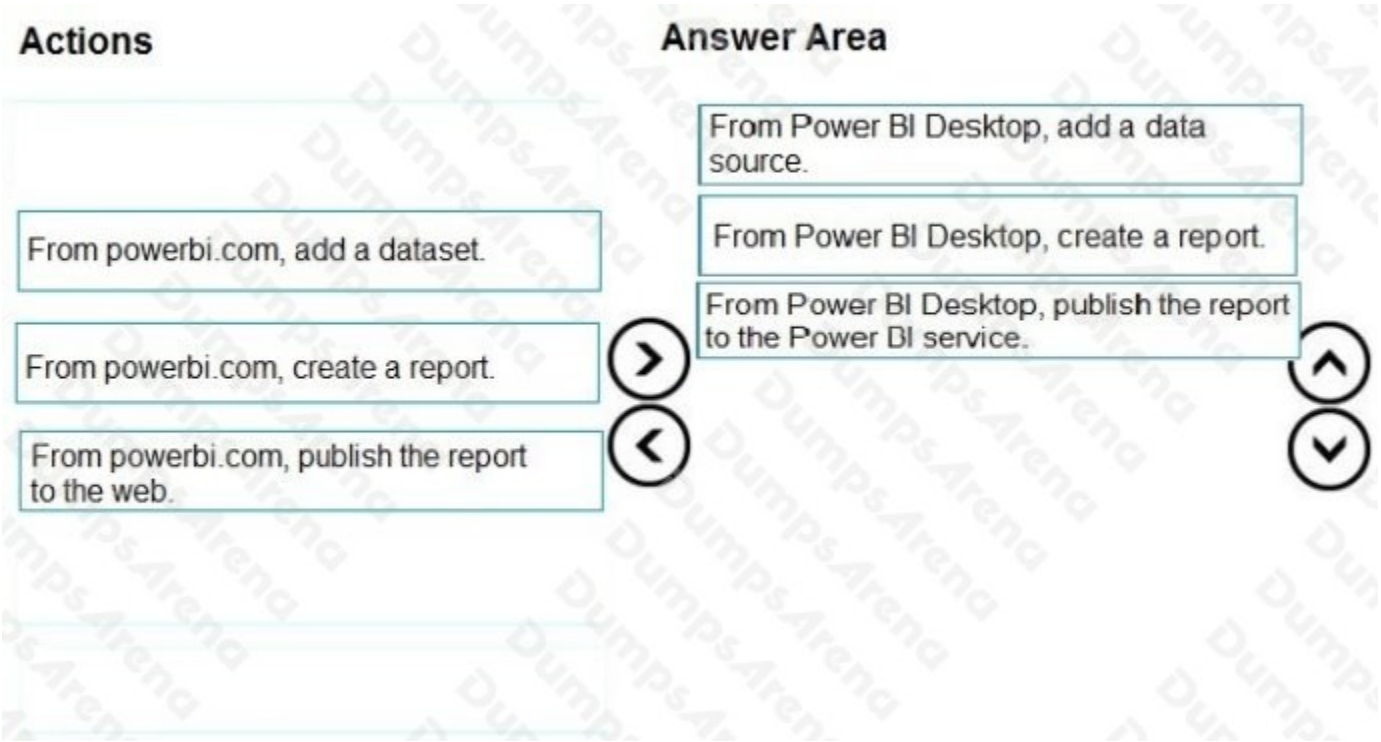
You plan to create a report in an app workspace that uses data from a Microsoft Azure SQL database.

You need to create the report. The solution must ensure that User1 can edit the report from Power BI Desktop and from powerbi.com.

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

Select and Place:

ANSWER:



Explanation:

References: https://docs.microsoft.com/en-us/power-bi/desktop-report-lifecycle-datasets

QUESTION NO: 10 - (HOTSPOT)

HOTSPOT

You have a table that contains a column named Phone. The following is a sample of the data in the Phone column.

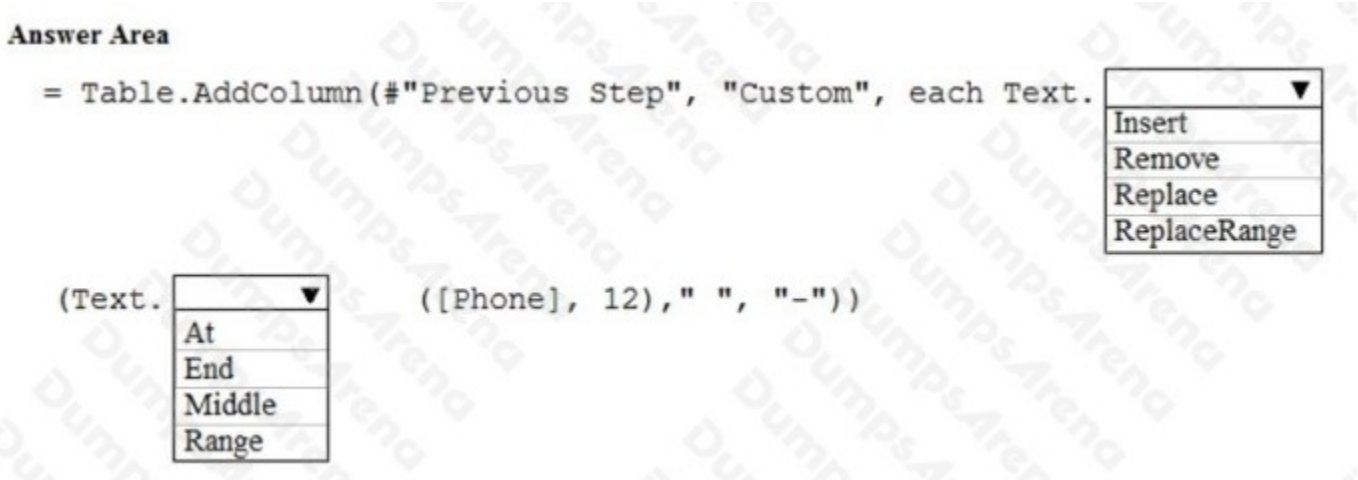
```
436-555-0160
385-555-0140
452-555-0179
290-555-0196
1 (11) 500 555-0122
128-555-0148
819-555-0186
996-555-0192
138-555-0156
556-555-0192
```

You need to add a new column that contains the data in the format of nnn-nnn-nnnn.

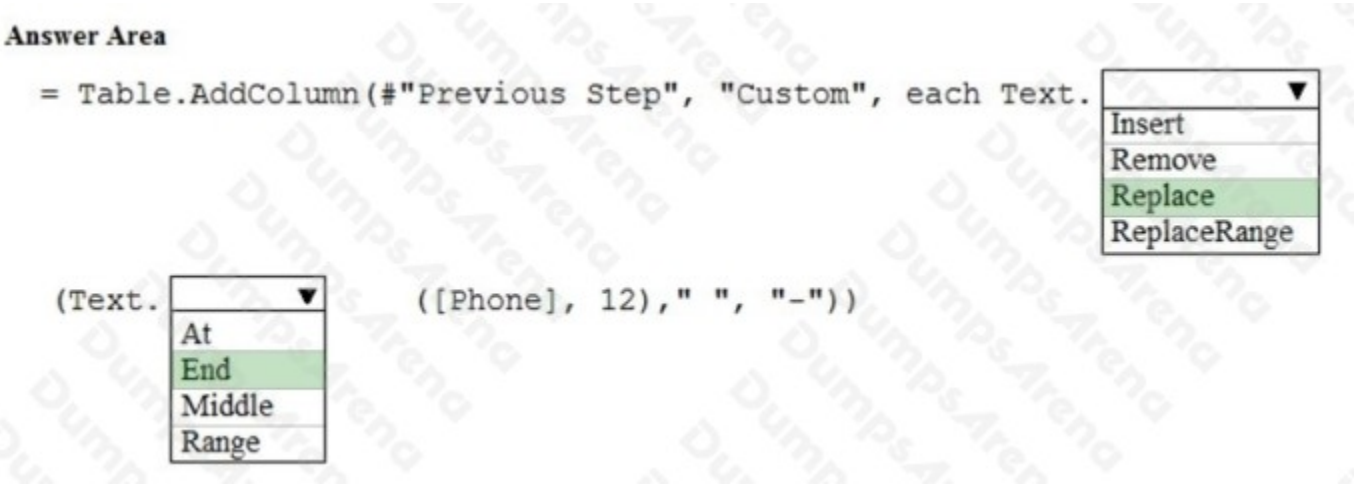
How should you complete the Query Editor formula? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



ANSWER:



Explanation:

References: https://docs.microsoft.com/en-us/powerquery-m/text-replace https://docs.microsoft.com/en-us/powerquery-m/text-end