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**Vendor:**Microsoft

**Exam Code:**70-778

**Exam Name:**Analyzing and Visualizing Data with  
Microsoft Power BI

**Version:**Demo

## QUESTION 1

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

You need to ensure that a sales team can view only data that has a CountryRegionName value of United States and a ProductCategory value of Clothing.

What should you do from Power BI Desktop?

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

Correct Answer: D

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

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## QUESTION 2

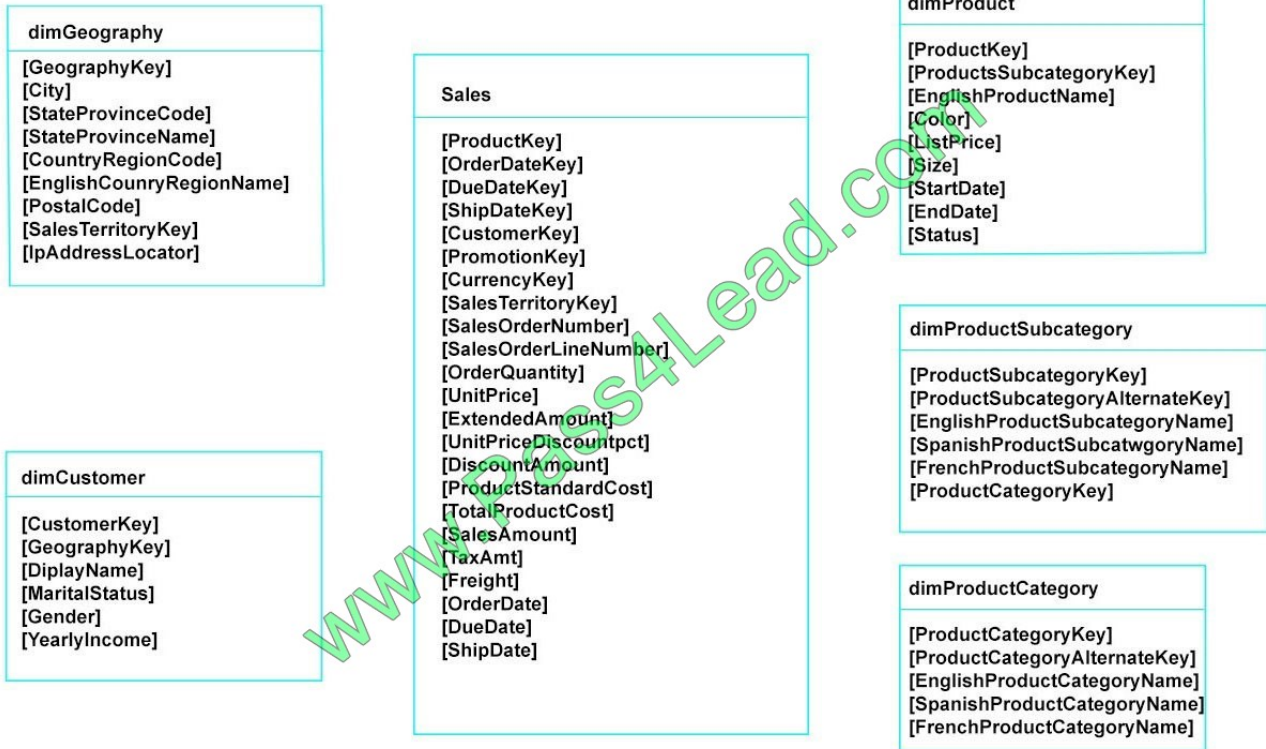
Note: This question is a part of a series of questions that present the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is

exactly the same in each question in this series.

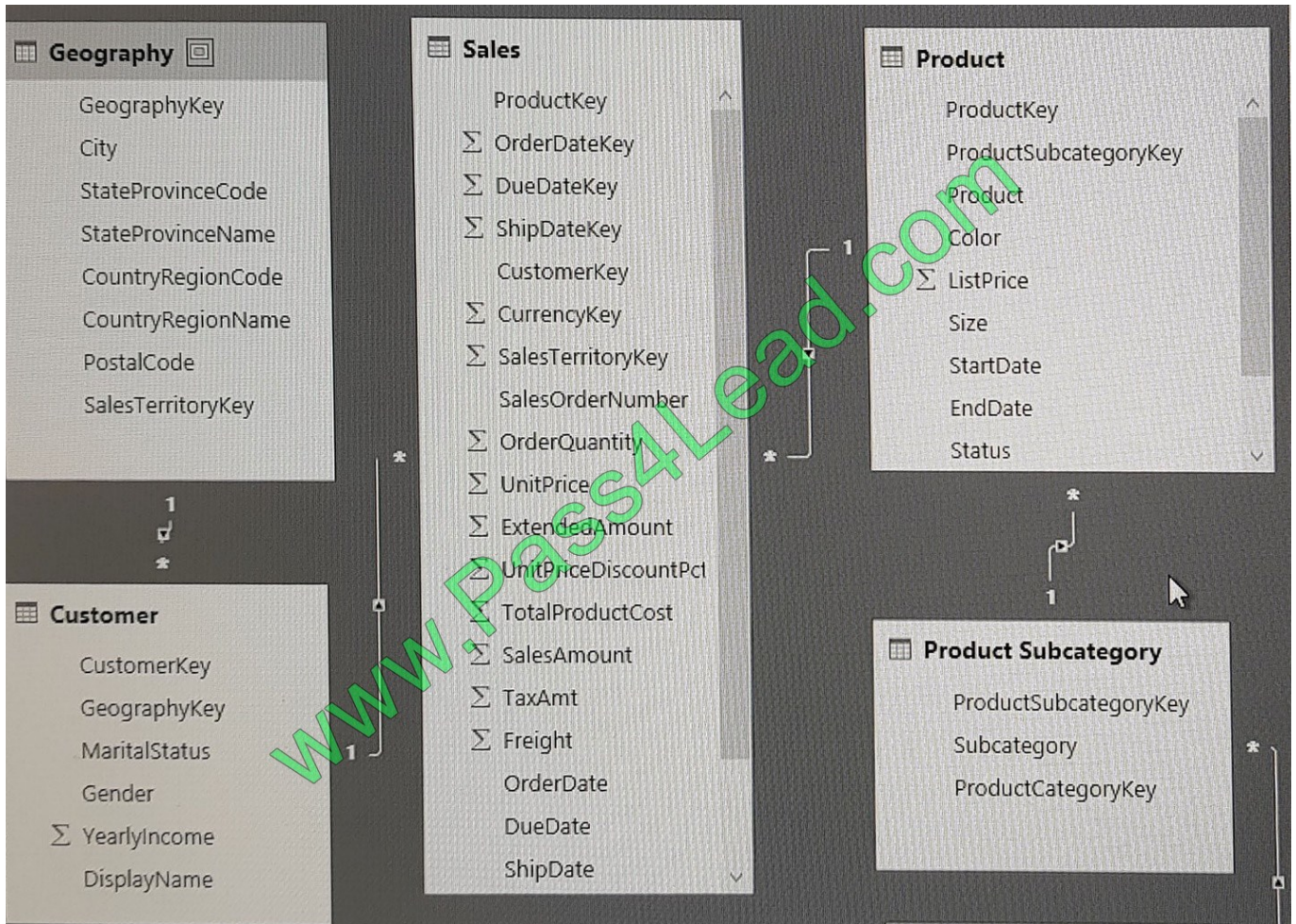
Start of repeated scenario

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

### Database Diagram



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 new column to the Product Subcategory table that uses the following formula.

=if [Subcategory] =null then "NA" else [Subcategory]

Which command should you use in Query Editor?

- A. Column From Examples
- B. Custom Column
- C. Invoke Custom Function
- D. Conditional Column

Correct Answer: D

References: <http://community.powerbi.com/t5/Desktop/if-then-else/td-p/117999>

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### QUESTION 3

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

Correct Answer: A

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>

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### QUESTION 4

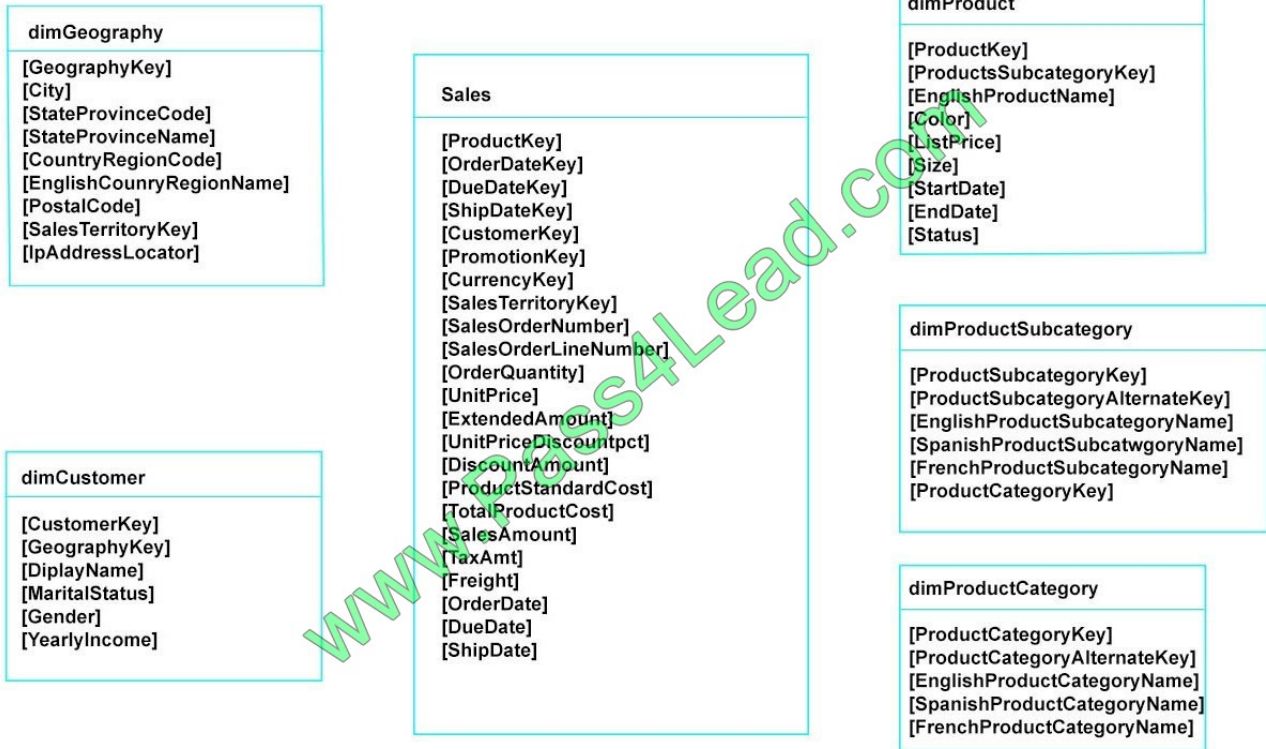
Note: This question is a part of a series of questions that present the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is

exactly the same in each question in this series.

Start of repeated scenario

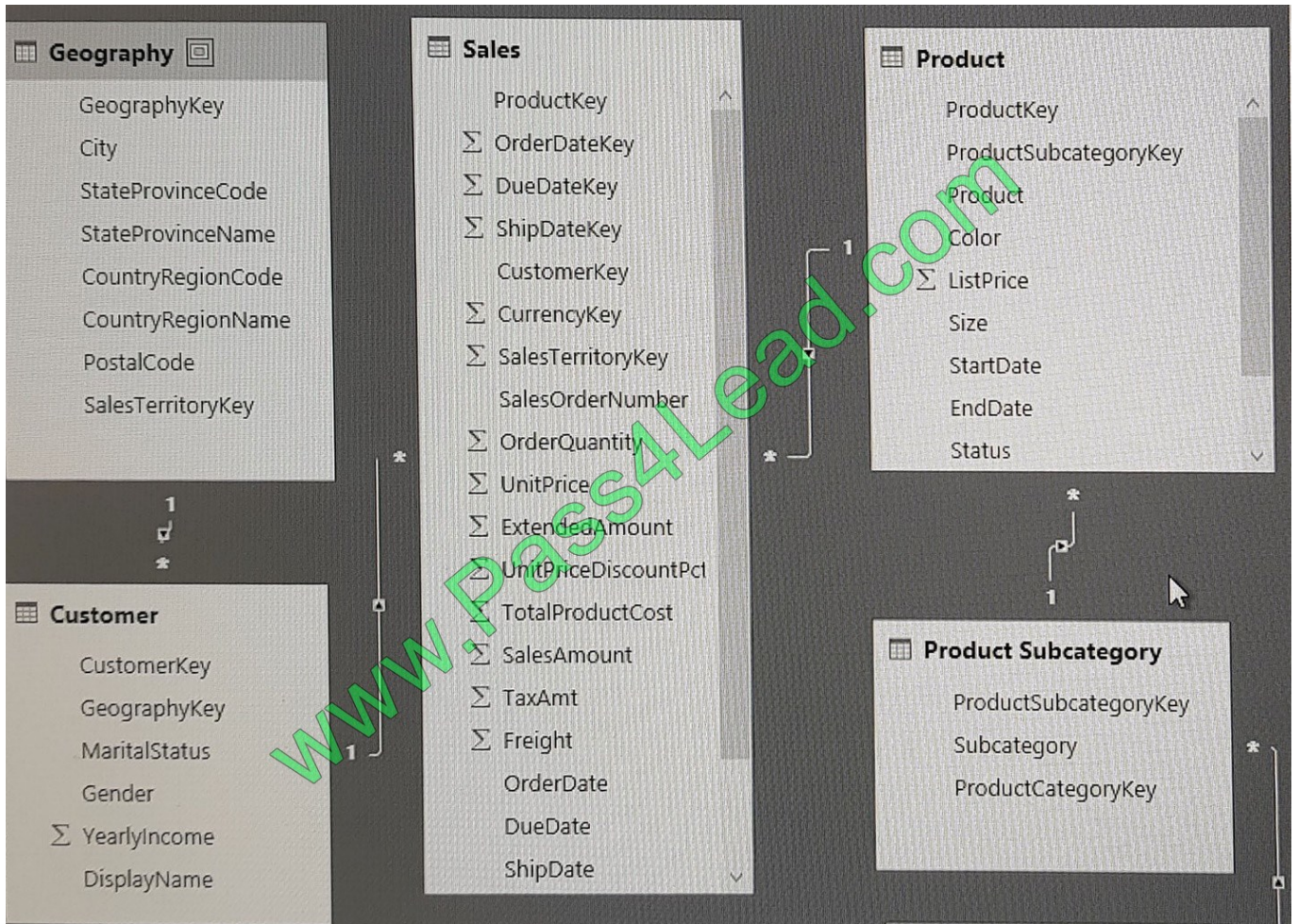
You have a Microsoft SQL Server database that has the tables shown in the Database Diagram exhibit. (Click the Exhibit.)

### Database Diagram



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





You plan to use Power BI to import data from 2013 to 2015.

Product Subcategory [Subcategory] contains NULL values.

End of repeated scenario.

You implement the Power BI model.

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

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

Which DAX formula should you use?

A. Product Ranking= RANKX (Product, [SalesAmount], , DESC, Skip)

B. Product Ranking= RANKX (ALL, (' Product\'), [SalesAmount], , DESC, Dense)

C. Product Ranking= RANKX (ALL, (' Product\'), [SalesAmount], , DESC, Skip)

D. Product Ranking= RANKX (ALL (' Product\'), [SalesAmount], , Asc, Dense)

Correct Answer: B

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

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## QUESTION 5

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.

Correct Answer: C

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

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## QUESTION 6



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.

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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

Correct Answer: B

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## QUESTION 7

You plan to create a dashboard in the Power BI service that will retrieve data from a tabular database in Microsoft SQL Server Analysis Services (SSAS). The dashboard will be shared between the users in your organization.

The Analysis Services database has a DirectQuery connection to the SQL Server database that contains the source data.

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). Connect to the data by using the Connect live option.

B. Deploy an on-premises data gateway (personal mode). Connect to the data by using the DirectQuery Data Connectivity mode.

C. Deploy an on-premises data gateway. Connect to the data by using the DirectQuery Data Connectivity mode.

D. Deploy an on-premises data gateway. Connect to the data by using the Connect live option.

Correct Answer: D

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## QUESTION 8

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

Correct Answer: B

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

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### QUESTION 9

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?

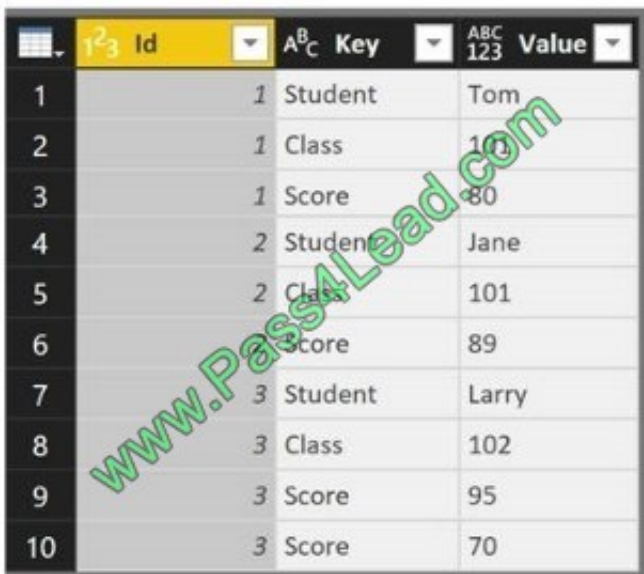
- A. DATE ADD
- B. LASTDATE
- C. ENDOFVEAR
- D. PREVIOUSYEAR

Correct Answer: D

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### QUESTION 10

You have a table in Power BI Desktop as shown in the following exhibit.



	Id	Key	Value
1	1	Student	Tom
2	1	Class	101
3	1	Score	80
4	2	Student	Jane
5	2	Class	101
6	2	Score	89
7	3	Student	Larry
8	3	Class	102
9	3	Score	95
10	3	Score	70

You pivot the columns as shown in the following exhibit.

	1-3 Id	ABC 123 Student	ABC 123 Class	ABC 123 Score
1	1	Tom	101	80
2	2	Jane	101	89
3	3	Larry	102	Error

You need to resolve the error in row 3. The solution must preserve all the data. What should you do?

- A. Change the Data Type of the Value column.
- B. Select the Score column, and then click Remove Errors.
- C. Select the Key column, and then click Remove Duplicates
- D. Change the Aggregate Value Function of the pivot.

Correct Answer: D

References: <https://docs.microsoft.com/en-us/power-bi/desktop-common-query-tasks>

**QUESTION 11**

You have a query named FactInternetSales used by several Power BI reports. The query is shown in the exhibit.

The screenshot shows the Power BI Query Editor interface. The formula bar contains the following DAX formula: `= Table.RemoveColumns(FactInternetSales, ...)`. The table below has the following data:

1-3	ProductKey	1-3 OrderDateKey	1.2 OrderQuantity	\$ UnitPrice	\$ SalesAmount
1	528	20070807	1	4.99	4.99
2	528	20070808	1	4.99	4.99
3	528	20070808	1	4.99	4.99
4	528	20070809	1	4.99	4.99
5	528	20070810	1	4.99	4.99
6	528	20070811	1	4.99	4.99
7	528	20070815	1	4.99	4.99

You plan to create a bar chart showing the count of sales by year that have a SalesAmount greater than \$1,000.

You need to create a measure that will be used in the bar chart.

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.

Select and Place:

CALCULATE	COUNT
COUNTA	COUNTROWS
COUNTX	FILTER

LargeSales = Value

Value ('FactInternetSales','FactInternetSales'[SalesAmount]>1000))

Correct Answer:

CALCULATE	COUNT
COUNTA	COUNTROWS

LargeSales = COUNTX

FILTER ('FactInternetSales','FactInternetSales'[SalesAmount]>1000))

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## QUESTION 12

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.

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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 Excel, click Publish to Power BI, and then click Export. Does this meet the goal?

A. Yes

B. No

Correct Answer: B

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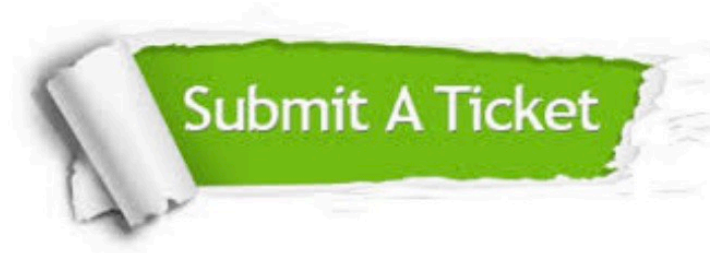
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