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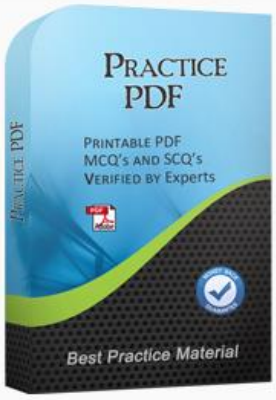

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Exam : **70-779**

Title : Analyzing and Visualizing Data with Microsoft Excel

Vendor : Microsoft

Version : DEMO

NO.1 You have a table in Power Pivot model that is loaded from a Microsoft SQL Server database. The source table has four columns named ID, Price, Quantity, and Total. Total is derived by multiplying Price and Quantity. ID is a unique row identifier.
You need to minimize the amount of memory used to load the mode. The solution must ensure that you can create visualizations based on Price, Quantity, and Total.
What should you do?

A. Replace the Total column by using a measure.

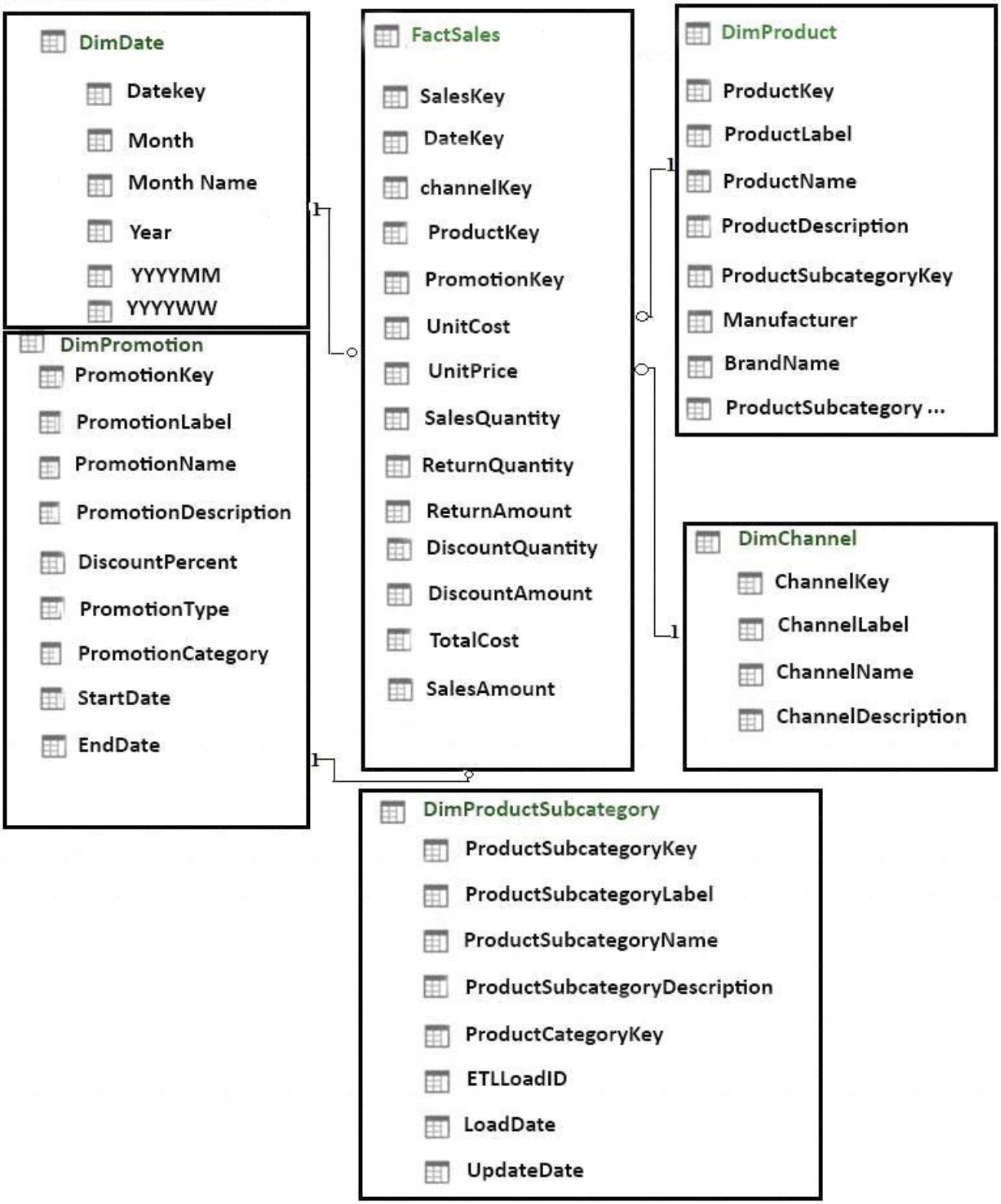
B. From Query Editor, remove duplicate rows from the table.

C. Move the Total column to a lookup table.

D. Replace the Total column by using a calculated column.

Answer: A
Explanation
References:
https://support.office.com/en-us/article/create-a-memory-efficient-data-model-using-excel-and-the-power-pivot-a

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 six workbook queries that each extracts a table from a Microsoft Azure SQL database. The tables are loaded to the data model, but the data is not loaded to any worksheets. The data model is shown in the Data Model exhibit. (Click the Exhibit button.) Exhibit:



Your company has 100 product subcategories and more than 10,000 products.
End of repeated scenario.
You plan to use the DAX time intelligence functions of DATEADD and DATESMTD.
You need to ensure that the functions return the correct data.
What should you do first?

A. Delete and recreate the relationship between FactSales and DimDate.

B. Mark DimDate as the date table.

C. Change trie Data Type of DimDate[DateKey].
D. Change the Data Type of FactSales[DateKey].
Answer: B
Explanation
https://docs.microsoft.com/en-us/sql/analysis-services/lesson-3-mark-as-date-table?view=sql-analysis-services-2

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 are creating reports for a car repair company. You have four datasets in Excel spreadsheets. Four workbook queries load the datasets to a data model. A sample of the data is shown in the Data Sample exhibit.
(Click the Exhibit button.)
Data Sample exhibit:

DailyRepairs

Date	WorkshopID	RepairTypeID	Hours	Revenue
2016-10-01	1	4	2	£ 432
2016-10-01	6	8	16	£ 4,144
2016-10-01	3	6	12	£ 564
2016-10-01	6	5	4	£ 1,680
2016-10-01	5	4	12	£ 1,968
2016-10-01	3	4	14	£ 854
2016-10-01	2	4	15	£ 3,030
2016-10-01	1	1	0	£ -

Workshops

ID	Workshop Name	Workshop Manager	Manager Since	IsLatest
1	Cambridge	Alex Hankin	2012-11-10	1
2	Bedford	Ben Miller	2015-04-22	1
3	Camden	Kari Furse	2015-08-29	1
4	Belsize	Ron Gabel	2016-02-14	1
5	Reading	Josh Edwards	2009-11-07	1
6	Kilburn	Karen Toh	2012-02-25	1
6	Kilburn	Eva Corets	2009-06-06	0

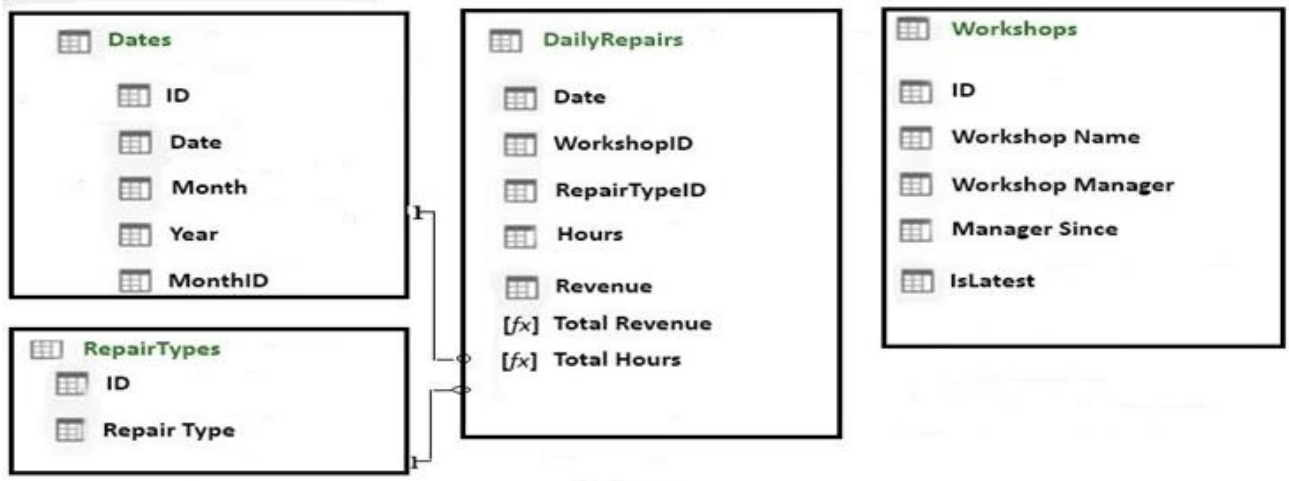
Dates

ID	Date	Month	Year	MonthID
20160101	2016-01-01	Jan '16	2016	201601
20160102	2016-01-02	Jan '16	2016	201601
20160103	2016-01-03	Jan '16	2016	201601
20160104	2016-01-04	Jan '16	2016	201601
20160105	2016-01-05	Jan '16	2016	201601
20160106	2016-01-06	Jan '16	2016	201601
20160107	2016-01-07	Jan '16	2016	201601
20160108	2016-01-08	Jan '16	2016	201601
20160109	2016-01-09	Jan '16	2016	201601

RepairTypes

ID	Repair Type
1	Engine
2	Radiator
3	Gearbox
4	Clutch
5	Brakes
6	Tires
7	Bodywork
8	Windscreen
9	Other

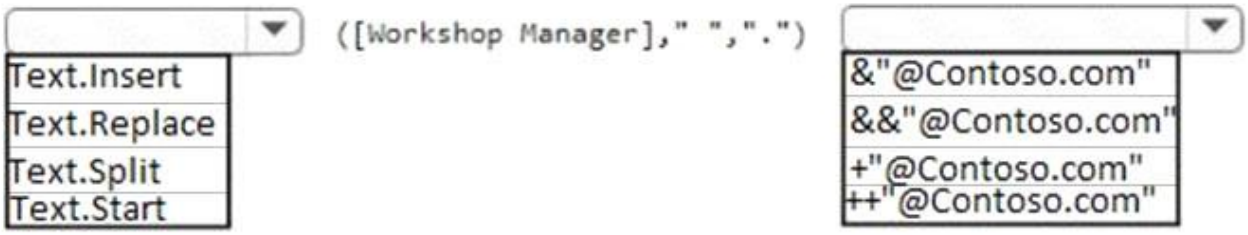
The data model is shown in the Data Model exhibit. (Click the Exhibit button.)



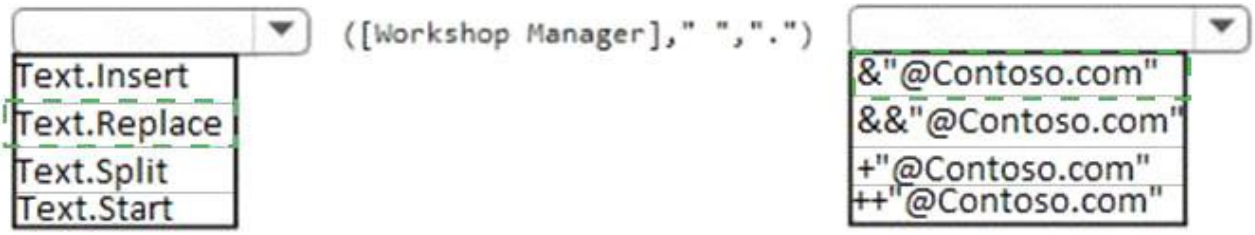
The tables in the model contain the following data:

* DailyRepairs has a log of hours and revenue for each day, workshop, and repair type. Every day, a log entry is created for each workshop, even if no hours or revenue are recorded for that day. Total Hours and Total Revenue column.
* Workshops have a list of all the workshops and the current and previous workshop managers. The
* format of the Workshop Manager column is always Firstname Lastname. A value of 1 in the IsLatest

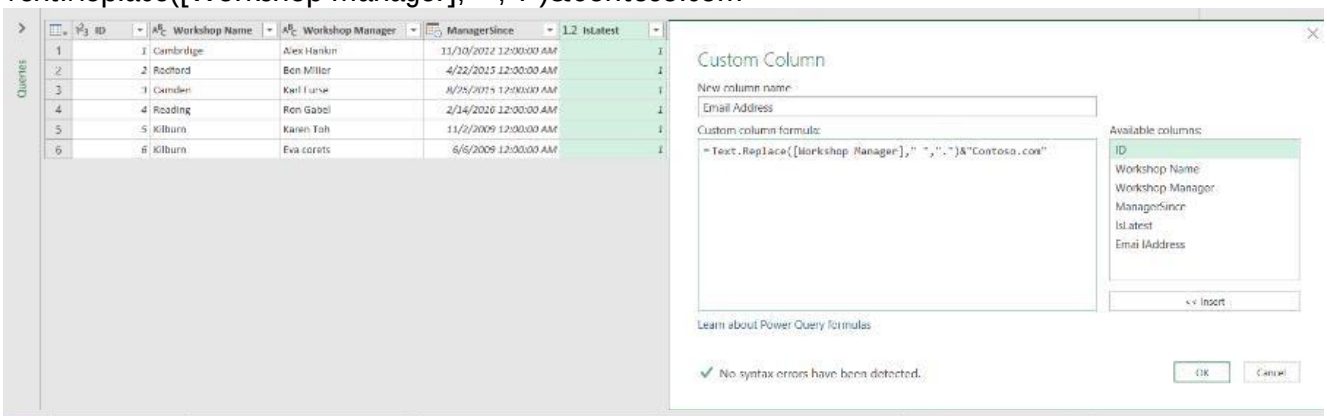
column indicates that the workshop manager listed in the record is the current workshop manager.
* RepairTypes has a list of all the repair types
* Dates has a list of dates from 2015 to 2018
End of repeated scenario.
You need to add a custom column to the workbook query for Workshops that contains the email address of the workshop manager. The format of the email address is firstname.lastname@contoso.com.
How should you complete the query from Query Editor? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.



Answer:



Explanation
Text.Replace([Workshop Manager]," ",".")&Contoso.com



	ID	Workshop Name	Workshop Manager	ManagerSince	IsLatest	Emai lAddress
1	1	Cambrdige	Alex Hankin	11/10/2012 12:00:00 AM	1	Alex.HankinContoso.com
2	2	Redford	Ben Miller	4/22/2015 12:00:00 AM	1	Ben.MillerContoso.com
3	3	Camden	Karl Furse	8/25/2015 12:00:00 AM	1	Karl.FurseContoso.com
4	4	Reading	Ron Gabel	2/14/2016 12:00:00 AM	1	Ron.GabelContoso.com
5	5	Kilburn	Karen Toh	11/2/2009 12:00:00 AM	1	Karen.TohContoso.com
6	6	Kilburn	Eva corets	6/6/2009 12:00:00 AM	1	Eva.coretsContoso.com

NO.4 You have the following tables in a data model.

Table name	Column name
Sales	Date
	SalesAmount
	Product
Date	Date
	Week
	Month Year
	Year

You create a PivotTable to display SaleAmount by Month. A sample of the results are shown in the following table.

Row Labels	Sum of SalesAmount
Apr '15	$276,891,048.16
Apr '16	$223,849,292.33
Apr '17	$211,894,484.93
Aug '15	$263,780,279.28
Aug '16	$231,189,642.07
Aug '17	$221,876,278.24
Dec '15	$297,341,103.65
Dec '16	$260,854,259.59
Dec '17	$227,629,554.52
Feb '15	$216,439,067.93
Feb '16	$191,106,948.30
Feb '17	$180,954,406.26

You need to ensure that the data appears in chronological order.
What should you do?

A. From PivotTable Fields, add Date[Year] to the Rows area

B. In the data model, modify the Sort by Column setting for Sales[Date]

C. From PivotTable Fields, modify the Field Settings for Date[Month Year]

D. In the data model, modify the Sort By Column setting for Date[Month Year]

Answer: C

NO.5 You have the following table.

Month Number	Month Name
1	January
2	February
3	March
4	April
5	May
6	June
7	July
8	August
9	September
10	October
11	November
12	December

You plan to use [Month Name] as the axis in a PivotChart.
You need to ensure that whenever [Month Name] is used in a chart, the months are displayed chronologically be default.
What should you do?

A. Sort the [Month Name] column by [Month Name].

B. Sort the [Month Name] column by [Month Name].

C. Change the Data Type of [Month Name] to Date.

D. Add a calculated column named [ID] that use the [Month Name] & [Month Number] DAX formula

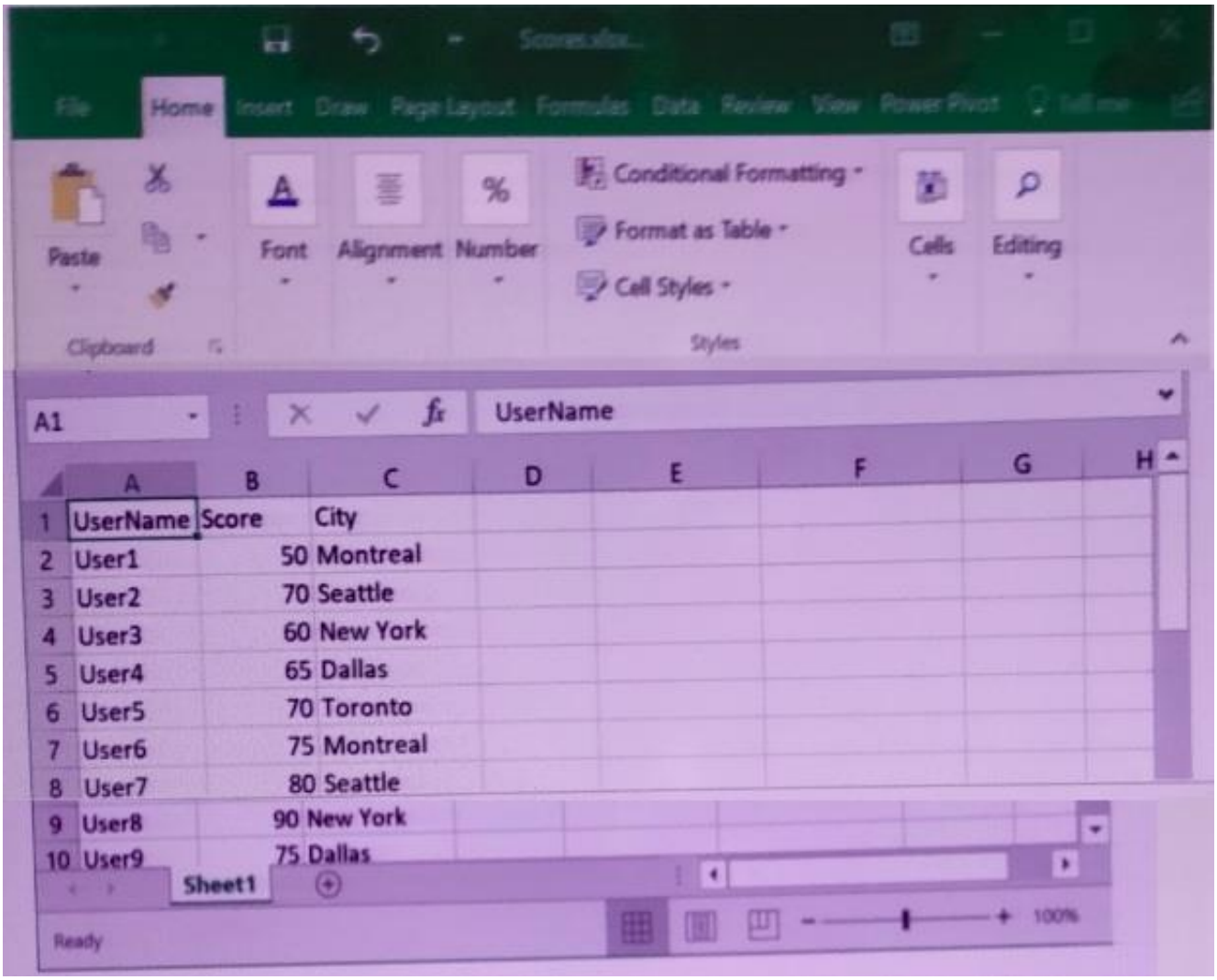
Answer: D

Explanation

References:

https://gasperkamensek.wordpress.com/2013/04/16/sorting-months-chronologically-and-not-alphabetically-in-a-

NO.6 You open an Excel worksheet as shown in the following exhibit.



You need to export the data into a dataset in the Microsoft Power BI service.
What should you do first?

A. Select the data, and Then insert a PivotTable.

B. Save the tile as an Excel template.

C. Select the data, and then insert a table.

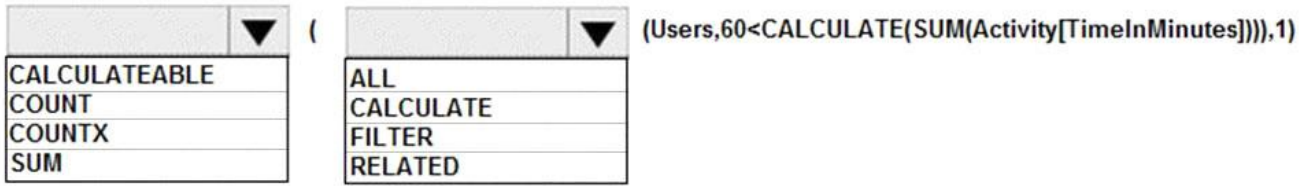
D. Install Power BI Publisher for Excel.

Answer: D

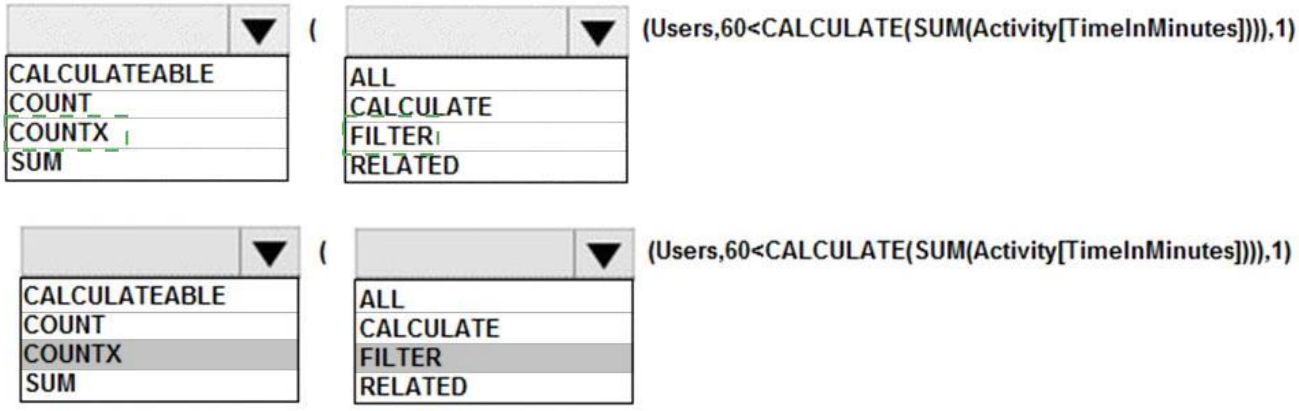
NO.7 You have the following tables.

Table name	Column name
Activity	ActivityID
	StartTime
	EndTime
	TimeInMinutes
	UserID
Users	UserID
	Username

There is a relationship between the tables.
You need to create a measure that displays how many users have a total TimeInMinutes that is greater than 60.
How should you complete the DAX formula? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.



Answer:



NO.8 You have a table named Sales that has three columns named OrderDate, OrderNumber, and SalesAmount.
You need to create the PivotTable as shown in the following table.

What should you use?

A. sparklines
B. KPIs
C. banded rows
D. conditional formatting
Answer: B

NO.9 You have a table that contains the following data.

Customer	Country	Product	Quantity
Customer1	Canada	Product1	100
Customer2	USA	Product2	90
Customer13	UK	Product3	80
Customer1	Canada	Product1	70
Customer2	USA	Product2	80
Customer3	UK	Product3	90
Customer1	Canada	Product1	60
Customer2	USA	Product2	70
Customer3	UK	Product3	60

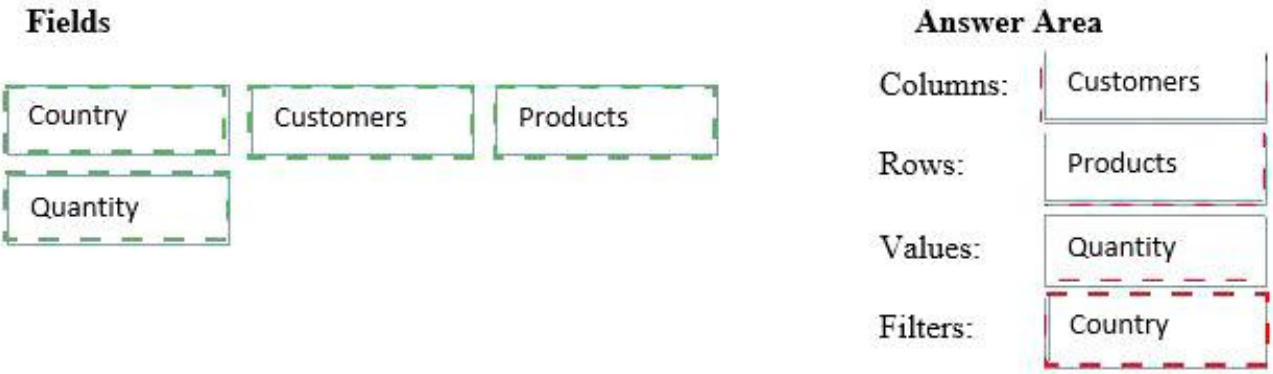
You need to create a PivotTable as shown in the exhibit. (Click the Exhibit button.)

Country	(All)			
Sum of Quantity	**Column Labels**			
Row Labels	**Customer1**	**Customer2**	**Customer3**	**Grand Total**
Product1	230			230
Product2		240		240
Product3			230	230
Grand Total	**230**	**240**	**230**	**700**

How should you configure the PivotTable? To answer, drag the appropriate fields to the correct areas. Each field 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:



Explanation

Box 1: Columns: Customers
Box 2: Rows: Products
Box 3: Values: Quantity
Box 4: Filters: Country

NO.10 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 Excel workbook that contains a table named Table1. A sample of the data in Table1 is shown in the following table.

ProductID	ProductName	ProductCategory	ProductSubCategory	Price
1	Product1	Category1	Subcategory1	10.22
2	Product2	Category1	Subcategory1	10.44
3	Product3	Category1	Subcategory1	10.33
4	Product4	Category1	Subcategory2	11.19
5	Product5	Category1	Subcategory2	11.19
6	Product6	Category2	Subcategory3	10.15
7	Product7	Category2	Subcategory3	10.77
8	Product8	Category2	Subcategory3	10.55
9	Product9	Category2	Subcategory4	10.19
10	Product10	Category2	Subcategory4	10.88

You need to create a PivotTable in PowerPivot as shown in the exhibit.

Row Labels	Sum of Price
Category1	
Subcategory1	
Product1	10.22
Product2	10.44
Product3	10.33
Subcategory1	
Total	**30.99**
Subcategory2	
Product4	11.19
Product5	11.19
Subcategory2	
Total	**22.38**
Category1 Total	**53.37**
Category2	
Subcategory3	
Product6	10.15
Product7	10.77
Product8	10.55
Subcategory3	
Total	**31,47**
Subcategory4	
Product10	10.88
Product9	10.19
Subcategory4	
Total	**21.07**
Category2 Total	**52.54**
Grand Total	**105.91**

Solution: You create a measure named Products the uses the CONCATENATEX DAX function. You add a PivotTable. You drag Products to the Rows field. You drag Price to the Values field.
Does this meet the goal?

A. No

B. Yes

Answer: A