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70-779 Exam

Microsoft Analyzing and Visualizing Data with Microsoft Excel Exam

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DEMO VERSION (LIMITED CONTENT)

Questions & Answers

Version: 11.0

Question: 1

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 chokes, 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.
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

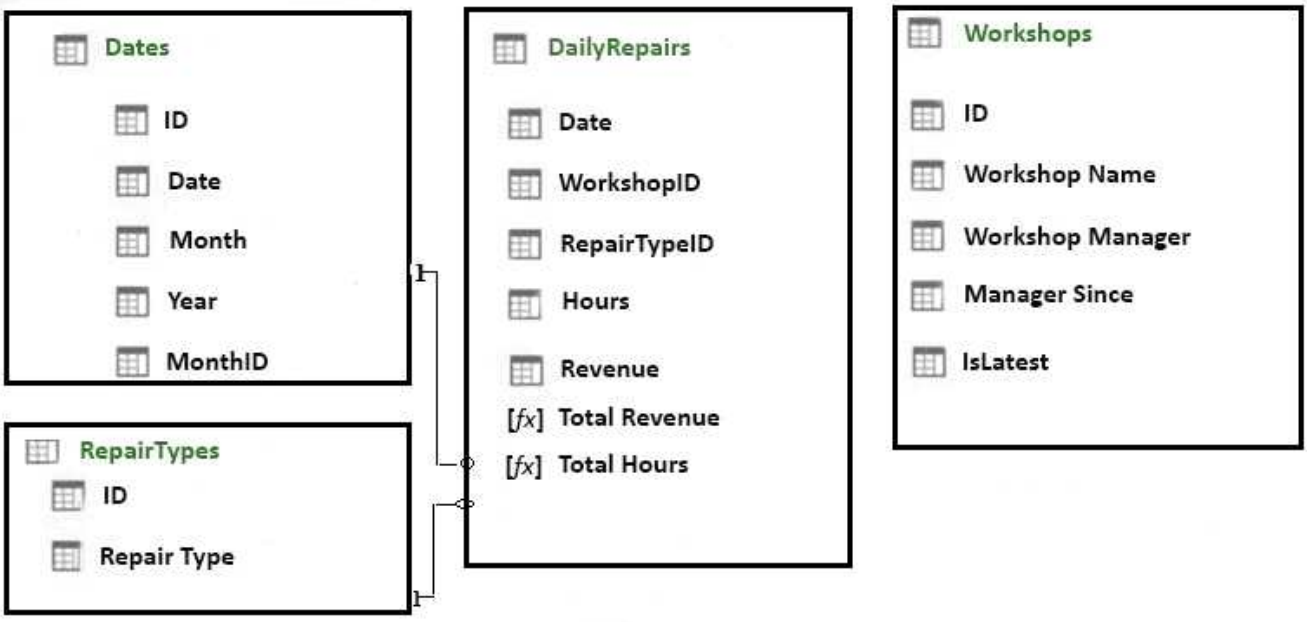
Dates

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
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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.
When you attempt to create a relationship between DailyRepairs and Workshops, Power Pivot generates the following error message: "The relationship cannot be created because each column contains duplicate values. Select at least one column that contains only unique values".
You need to ensure that you can create a valid relationship between the tables.
What should you do?

A. In the Power Pivot model, change the data type for Workshop[ID] to General
B. In the workbook query for Workshops, add an index column
C. In the Power Pivot model, change the Table Behavior setting for Workshops
D. In the workbook query for Workshops, filter [IsLatest] to equal 1

Answer: C

Explanation:
References: https://msdn.microsoft.com/en-us/library/hh560544(v=sql.110).aspx

Question: 2

DRAG DROP
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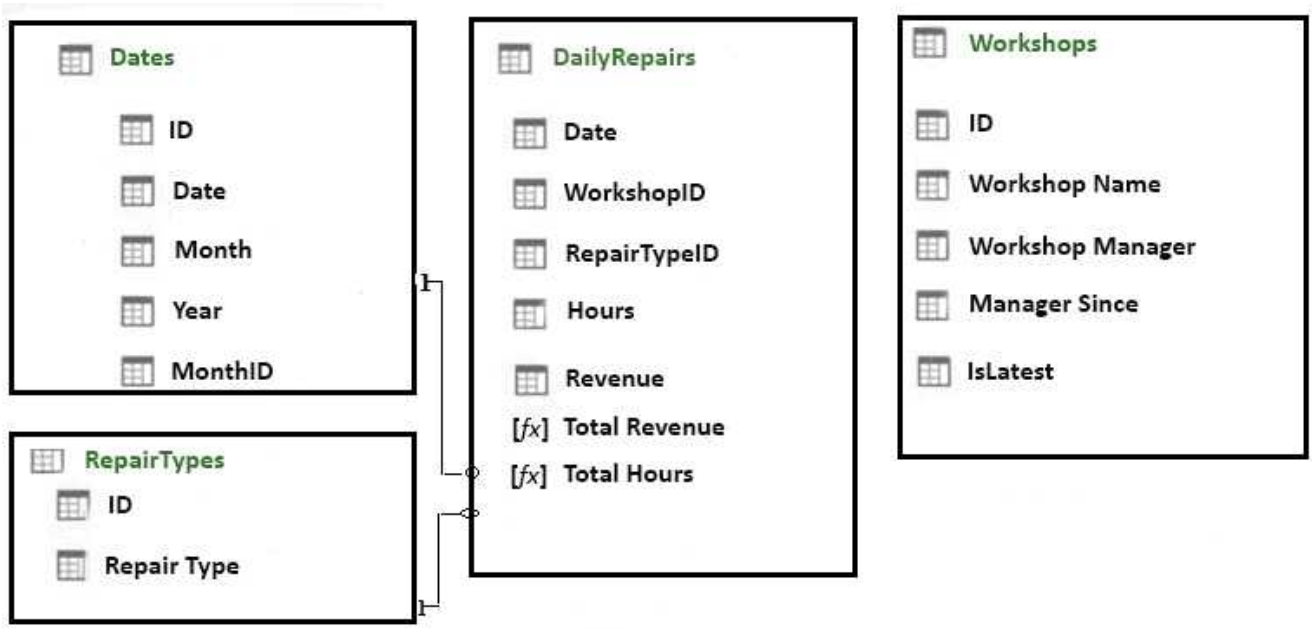
Dates

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20160106	2016-01-06	Jan '16	2016	201601
20160107	2016-01-07	Jan '16	2016	201601
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20160109	2016-01-09	Jan '16	2016	201601

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• 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 create a PivotChart that displays the month, the hours of the month, and the hours of the previous month, as shown in the following exhibit.

Row Labels	Total Hours	Total Hours Last Month
Oct '16	9,265	
Nov '16	9,152	9,265
Dec '16	9,196	9,152
Jan '16	9,392	9,196
Feb '16	8,809	9,392
Mar '16	7,585	8,809
Grand Total	**53,399**	**53,399**

Which DAX formula should you use for the Total Hours Last Month measure? To answer, drag the appropriate fields 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

BLANK | CALCULATE | DATEADD | DATESBETWEEN | IF | NULL | -1 | 1

Answer Area

Value (ISBLANK([Total Hours]), Value
(), CALCULATE([Total Hours], Value
(tblDates[Date], Value , MONTH)))

Answer:

Answer Area

IF (ISBLANK([Total Hours]), BLANK (),CALCULATE(
[Total Hours], DATEADD (tblDates[Date], -1 ,MONTH)))

Explanation:

IF (ISBLANK[(Total Hours]),BLANK(), CALCULATE([total Hours], DATEADD(tblDates(Date), -1,MONTH)))

Question: 3

HOTSPOT

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.

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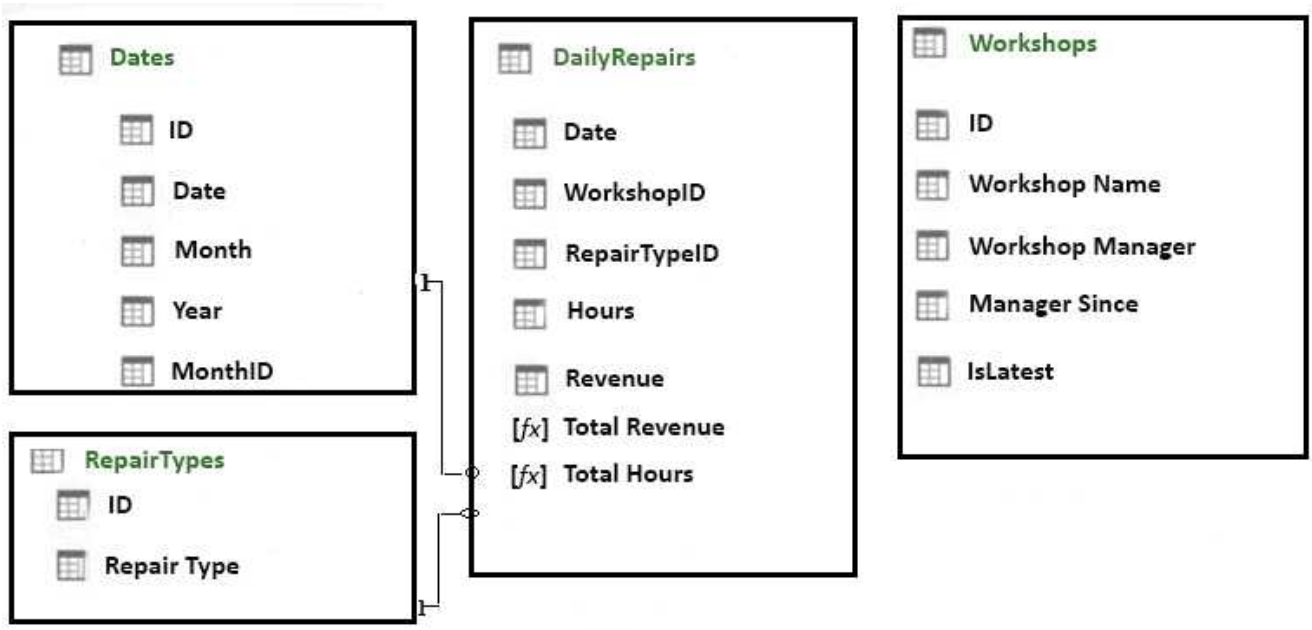
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ID	Repair Type
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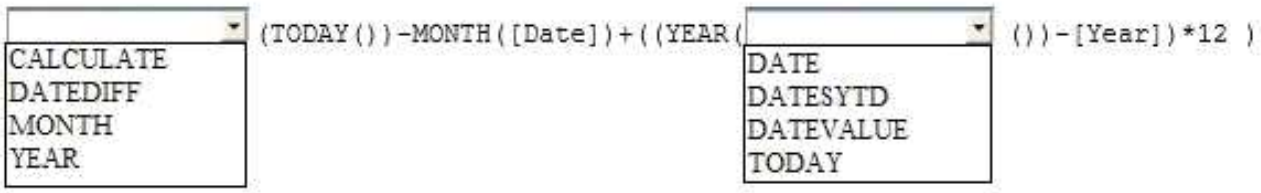
End of repeated scenario.

To the Dates table, you need to add a calculated column named Months Ago. Months Ago must display the number of calendar months before the current month. For example, if the current date is July 10, 2017, the Value of Months Ago will be 0 for all the dates in July 2017, 1 for all the dates in June 2017, and 2 for all the dates in May 2017.

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.

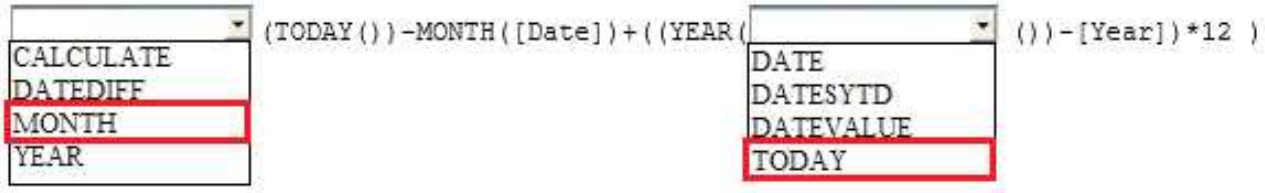
Answer Area



Answer:

Explanation:

Answer Area



Explanation:
Box 1: MONTH
Box 2: TODAY
References:
https://msdn.microsoft.com/en-us/library/ee634914.aspx
https://msdn.microsoft.com/en-us/library/ee634567.aspx
https://msdn.microsoft.com/en-us/library/ee634554.aspx

Question: 4

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5	Reading	Josh Edwards	2009-11-07	1
6	Kilburn	Karen Toh	2012-02-25	1
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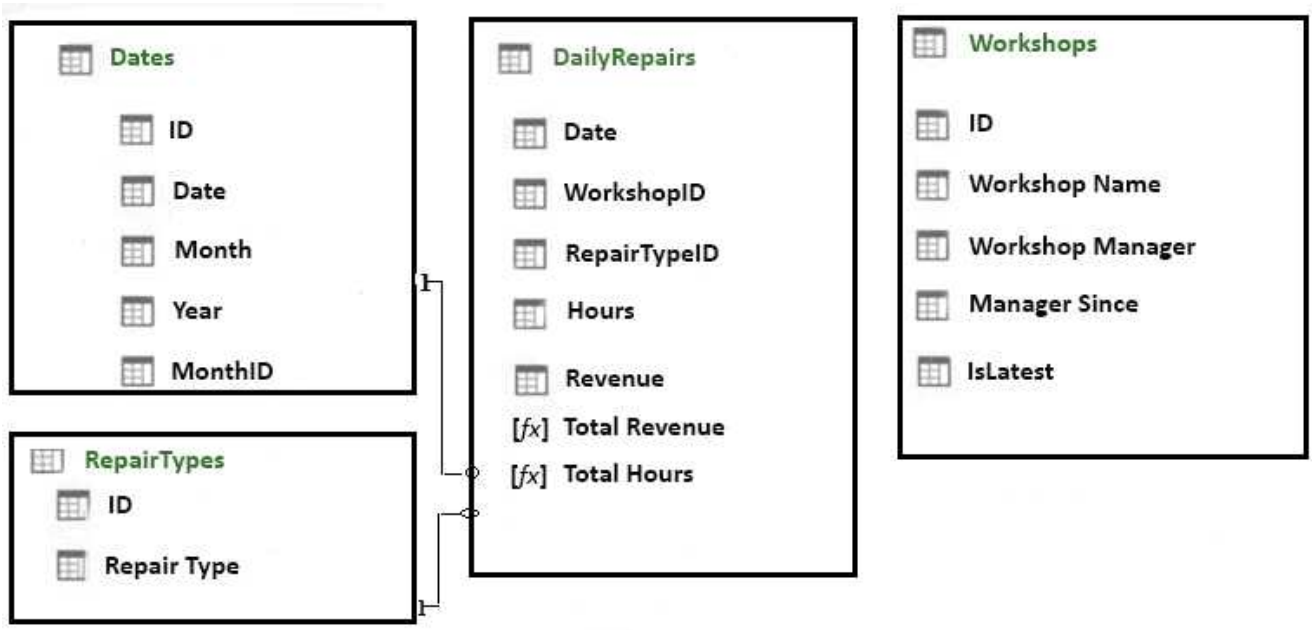
Dates

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20160103	2016-01-03	Jan '16	2016	201601
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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
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5	Brakes
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7	Bodywork
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• RepairTypes has a list of all the repair types

• Dates has a list of dates from 2015 to 2018

End of repeated scenario.

You create a measure named Average Revenue Per Hour that calculates the average revenue per hour.

You need to populate a cell in a worksheet to display the Average Revenue Per Hour where Repair Type is Engine.

Which Excel formula should you use?

A. =CUBEMEMBER("ThisWorkbookDataModel", "[DailyRepairs]. [Avg Revenue Per Hour]", CUBEMEMBER ("ThisWorkbookDataModel", "[Dimensions]. [Repair Type]. [Engine]"))

B. =CUBEVALUE("ThisWorkbookDataModel", "[Measures]. [Avg Revenue Per Hour]", CUBEMEMBER ("ThisWorkbookDataModel", "[Dimensions]. [Repair Type]. [Engine]"))

C. =CUBEMEMBER("ThisWorkbookDataModel", "[DailyRepairs]. [Avg Revenue Per Hour]", CUBEMEMBER ("ThisWorkbookDataModel", "[RepairTypes]. [Repair Type]. [Engine]"))

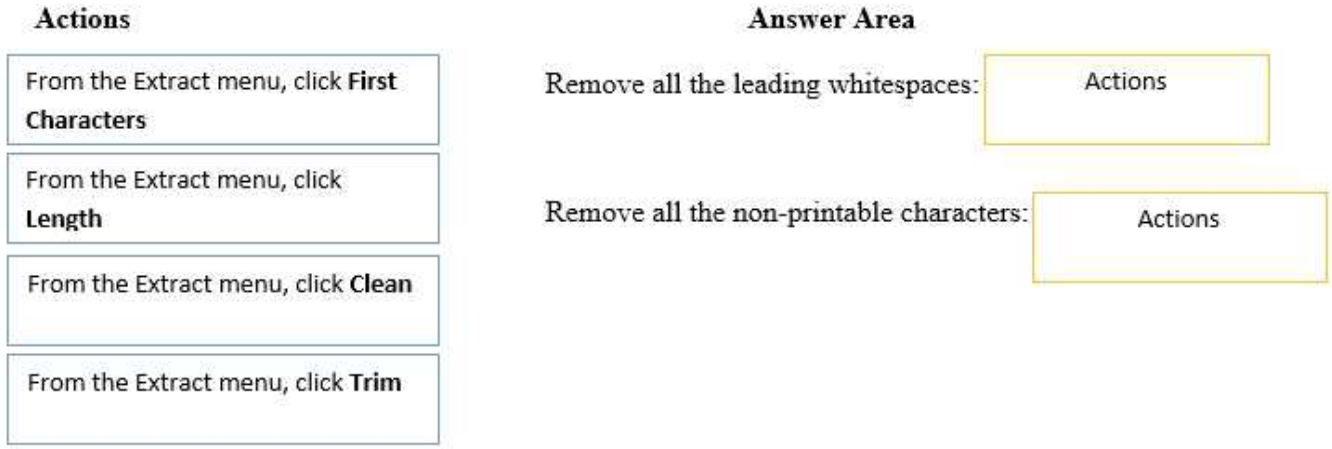
D. =CUBEVALUE("ThisWorkbookDataModel", "[Measures]. [Avg Revenue Per Hour]", CUBEMEMBER ("ThisWorkbookDataModel", "[RepairTypes]. [Repair Type]. [Engine]"))

Answer: B

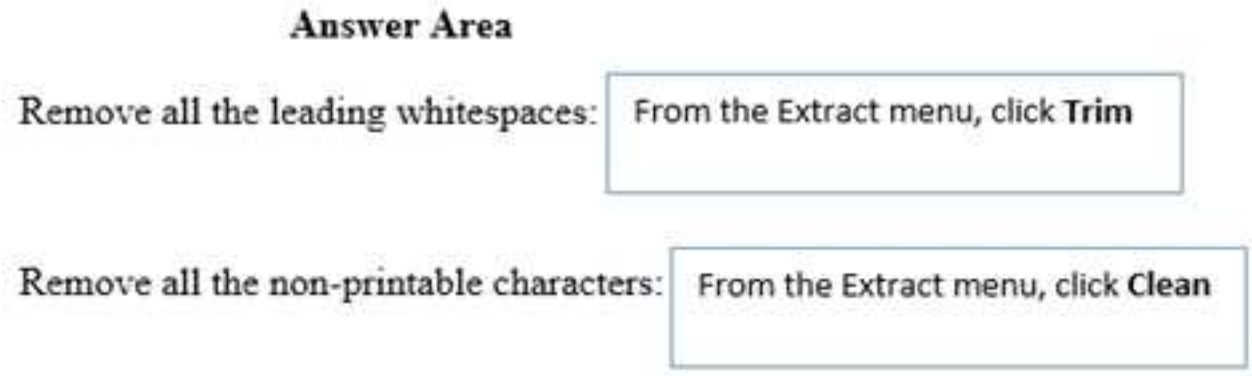
Explanation:
References:
https://support.office.com/en-us/article/cubevalue-function-8733da24-26d1-4e34-9b3a-84a8f00dcbe0
https://www.tutorialspoint.com/advanced_excel_functions/advanced_excel_cube_cubemember_function.htm

Question: 5

DRAG DROP
You merge several CSV files by using Query Editor.
You need to remove all the leading whitespaces and all the non-printable characters from a column.
What should you do to achieve each task? To answer, drag the appropriate actions to the correct goals. Each action 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:

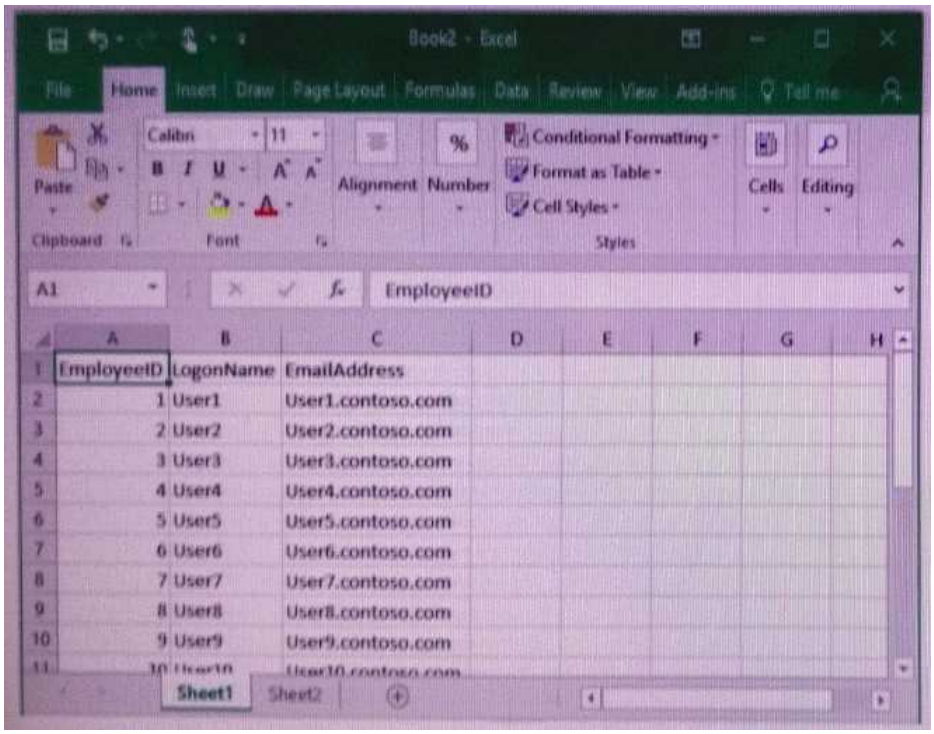


Explanation:
Box 1: From the Extract menu, click Trim

Box 2: From the Extract menu, click Clean

Question: 6

You have the Excel worksheet shown in the exhibit.



You need to transform the data by using Query Editor.
What should you do first?

A. From the Data tab, Click From Table/Range.
B. From the Insert tab, Click Store.
C. From the Data tab, Click Flash Fill.
D. From the Data tab, Click Consolidate.

Answer: A

Explanation:
Excel uses a dedicated Query Editor to facilitate and display data transformations. When you select Data > Get Data, then select the data source, such as a workbook, or a database, the Navigator window appears so you can select which table (or tables) you want to use in your query. When you select a table, a preview of its data is shown in the right pane of the Navigator window.
https://support.office.com/en-us/article/getting-started-with-get-transform-in-excel-2016-a8HYPERLINK "https://support.office.com/en-us/article/getting-started-with-get-transform-in-excel-2016-a8310388-2a12-438c-9d29-c6d29cb8df6a?ui=en-US&rs=en-US&ad=US"310388-2a12-438c-9d29-c6d29cb8df6a?ui=en-USHYPERLINK "https://support.office.com/en-us/article/getting-started-with-get-transform-in-excel-2016-a8310388-2a12-438c-9d29-c6d29cb8df6a?ui=en-US&rs=en-US&ad=US"&HYPERLINK "https://support.office.com/en-us/article/getting-started-with-get-transform-in-excel-2016-a8310388-2a12-438c-9d29-c6d29cb8df6a?ui=en-US&rs=en-

US&ad=US"rs=en-USHYPERLINK "https://support.office.com/en-us/article/getting-started-with-get-transform-in-excel-2016-a8310388-2a12-438c-9d29-c6d29cb8df6a?ui=en-US&rs=en-US&ad=US"&HYPERLINK "https://support.office.com/en-us/article/getting-started-with-get-transform-in-excel-2016-a8310388-2a12-438c-9d29-c6d29cb8df6a?ui=en-US&rs=en-US&ad=US"ad=US

Question: 7

HOTSPOT
You have a workbook query that uses an Excel data source. The data source contains the following table.

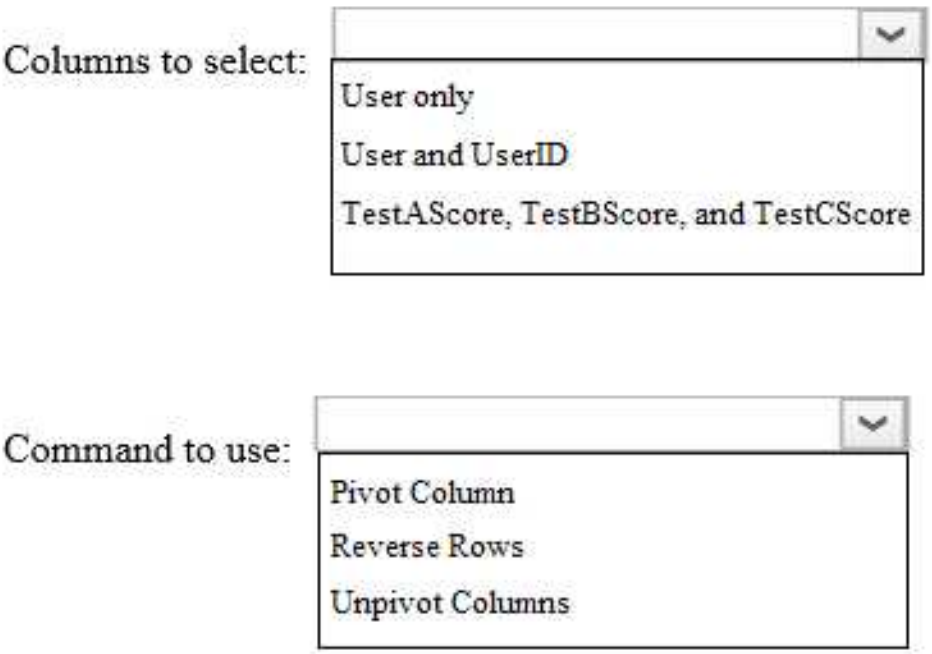
User	UserID	TestAScore	TestBScore	TestCScore
User1	9987	90	92	93
User2	9988	80	77	68
User3	9989	63	64	66
User4	9990	90	50	77
User5	9991	40	45	30

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

User	UserID	Attribute	Value
User1	9987	TestAScore	90
User1	9987	TestBScore	92
User1	9987	TestCScore	93
User2	9988	TestAScore	80
User2	9988	TestBScore	77
User2	9988	TestCScore	68
User3	9989	TestAScore	63
User3	9989	TestBScore	64
User3	9989	TestCScore	66
User4	9990	TestAScore	90
User4	9990	TestBScore	50
User4	9990	TestCScore	77
User5	9991	TestAScore	40
User5	9991	TestBScore	45
User5	9991	TestCScore	30

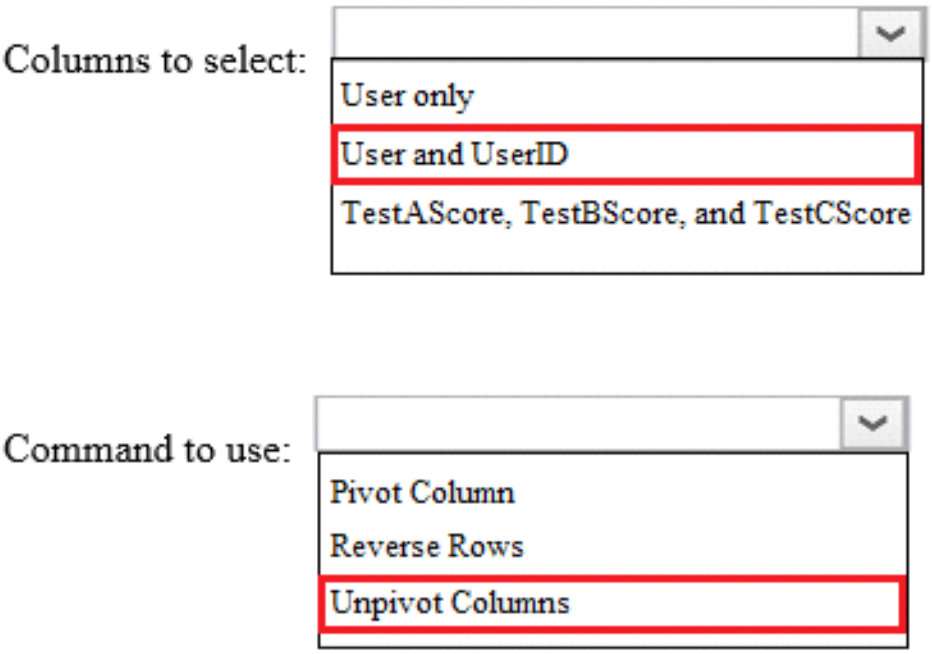
How should you transform the data from Query Editor? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area



Answer:

Answer Area



Explanation:

Box 1: User and UserID
Box 2: Unpivot Columns
References: https://support.office.com/en-us/article/unpivot-columns-power-query-0f7bad4b-9ea1-49c1-9d95-f588221c7098

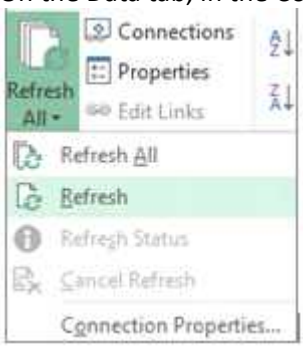
Question: 8

You have multiple workbook queries that load data from tables in Microsoft Azure SQL Database to a Power Pivot data model.
You discover that new rows were added to the tables in Azure SQL Database.
You need to ensure that the workbook has the new data.
Why should you do?

A. Select a cell in the worksheet and pressF5.
B. From the data tab, click Refresh All.
C. Close and open the workbook.
D. From the Power Pivot tab, click Update All.

Answer: B

Explanation:
Refresh data from a Microsoft Query, the Data Connection Wizard, or web query
Click any cell in the range or table that contains the link to the external data.
On the Data tab, in the Connections group, click Refresh All.

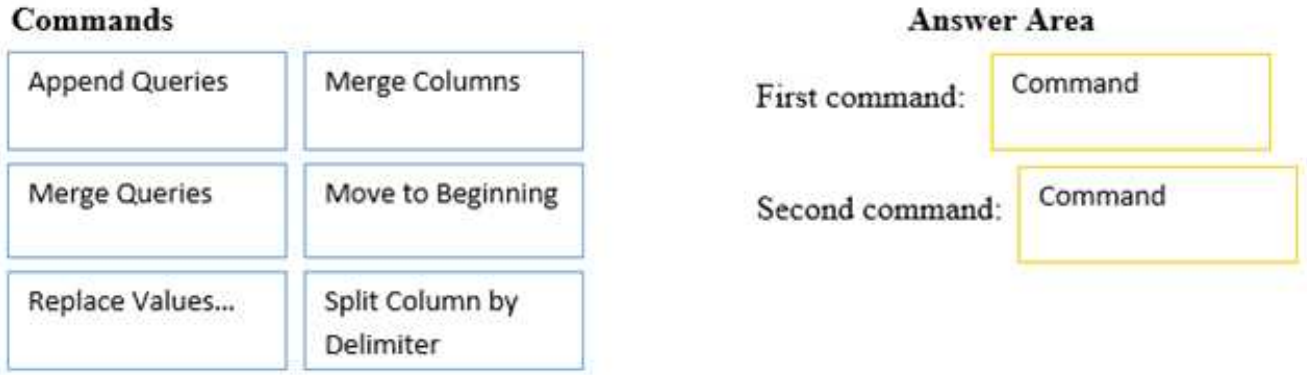


To update only the selected data, click Refresh.
You can also right-click a cell in the range or table, and then click Refresh.
To update all the data connections in the workbook, click Refresh All.
Note: If you have more than one workbook open, you'll need to repeat the operation in each workbook.
https://support.office.com/en-us/article/refresh-an-external-data-connection-in-excel-2016-for-windows-1524175f-777a-48fc-8fc7-c8514b984440?ui=en-USHYPERLINK "https://support.office.com/en-us/article/refresh-an-external-data-connection-in-excel-2016-for-windows-1524175f-777a-48fc-8fc7-c8514b984440?ui=en-US&rs=en-CA&ad=CA"&HYPERLINK "https://support.office.com/en-us/article/refresh-an-external-data-connection-in-excel-2016-for-windows-1524175f-777a-48fc-8fc7-c8514b984440?ui=en-US&rs=en-CA&ad=CA"rs=en-CAHYPERLINK "https://support.office.com/en-us/article/refresh-an-external-data-connection-in-excel-2016-for-windows-1524175f-777a-48fc-8fc7-c8514b984440?ui=en-US&rs=en-CA&ad=CA"&HYPERLINK "https://support.office.com/en-us/article/refresh-an-external-data-connection-in-excel-2016-for-

windows-1524175f-777a-48fc-8fc7-c8514b984440?ui=en-US&rs=en-CA&ad=CA"ad=CA

Question: 9

DRAG DROP
You use a workbook query to import a table named Customers that contains a column named CustomerName. CustomerName has names in the format of Lastname, Firstname.
You need the CustomerName column to contain names in the format of Firstname Lastname. A space must separate Firstname and Lastname.
Which two commands should you use? 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:

•Split Column By Delimiter
•Merge Columns

Explanation:
https://support.office.com/en-us/article/split-a-column-of-text-power-query-5282d425-6ddHYPERLINK "https://support.office.com/en-us/article/split-a-column-of-text-power-query-5282d425-6dd0-46ca-95bf-8e0da9539662"0-46ca-95bf-8e0da9539662
https://support.office.com/en-us/article/merge-columns-power-query-80ec9e1e-1eb6-4048-b500-d5d42d9f0a8d

Question: 10

You have an Excel workbook query that loads data to a worksheet and the data model.
You need to ensure that the data is refreshed whenever you open the workbook.
What should you do?

A. From the File tab, click Option, and then modify the Data option.
B. From the File tab, click Options, and then modify the General options.
C. From the Data tab, click Queries & Connections, and then edit the properties of the query.

D. From the Power Pivot model, modify the Table Behavior setting.

Answer: C

Explanation:
https://support.office.com/en-us/article/refresh-an-external-data-connection-in-excel-2016-for-wiHYPERLINK "https://support.office.com/en-us/article/refresh-an-external-data-connection-in-excel-2016-for-windows-1524175f-777a-48fc-8fc7-c8514b984440"ndows-1524175f-777a-48fc-8fc7-c8514b984440

Question: 11

You have an Excel workbook that has the following two workbook queries:
A query named consultants that retrieves a table named Consultants_Contact from a Microsoft SQL Server database
A query named employees that retrieves a table named Employee_Contact from a Microsoft Azure SQL database
Both tables have the same columns.
You need to combine all the data from Consultants and Employees into one table.
Which command should you use?

A. Transpose
B. Append Queries
C. Merge Queries
D. Combine Binaries

Answer: B

Explanation:
Append is similar to UNION ALL in T-SQL.
http://radacad.com/append-vs-merge-in-power-bi-and-power-query

Question: 12

You have two queries named Client and Invoices. A sample of Client is shown in the following table.

ClientID	ClientName
1	Client1
2	Client2
3	Client3
4	Client4

A sample of Invoices is shown in the following table.

InvoiceID	ClientID	InvoiceDate	InvoiceAmount
1	1	07-07-2017	15.99
2	1	07-09-2017	20.88
3	2	08-17-2017	5.03
4	3	08-24-2017	8.98

You need to create a new table that has the following information.

ClientID	ClientName	InvoiceID	ClientID.1	InvoiceDate	InvoiceAmount
1	Client1	1	1	07-07-2017	15.99
1	Client1	2	1	07-09-2017	20.88
2	Client2	3	2	08-17-2017	5.03
3	Client3	4	3	08-24-2017	8.98
4	Client4	*null*	*null*	*null*	*null*

Which join kind should you use?

A. Inner
B. Left Outer
C. Right Anti
D. Left Anti

Answer: B

Explanation:
https://www.excelguru.ca/blog/2015/12/16/merge-tables-using-outer-joinHYPERLINK "https://www.excelguru.ca/blog/2015/12/16/merge-tables-using-outer-joins-in-power-query/"s-in-power-query/

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