

# Microsoft

## Exam Questions DA-100

Analyzing Data with Microsoft Power BI



### NEW QUESTION 1

- (Exam Topic 4)

You have four sales regions. Each region has multiple sales managers.

You implement row-level security (RLS) in a data model. You assign the relevant distribution lists to each role.

You have sales reports that enable analysis by region. The sales managers can view the sales records of their region. The sales managers are prevented from viewing records from other regions.

A sales manager changes to a different region.

You need to ensure that the sales manager can see the correct sales data. What should you do?

- A. From Microsoft Power BI Desktop, edit the Row-Level Security setting for the reports.
- B. Change the Microsoft Power BI license type of the sales manager.
- C. Manage the permissions of the underlying dataset
- D. Request that the sales manager be added to the correct Azure Active Directory group.

**Answer: D**

#### Explanation:

Using AD Security Groups, you no longer need to maintain a long list of users.

All that you will need to do is to put in the AD Security group with the required permissions and Power BI will do the REST! This means a small and simple security file with the permissions and AD Security group.

Note: Configure role mappings

Once published to Power BI, you must map members to dataset roles.

Members can be user accounts or security groups. Whenever possible, we recommend you map security groups to dataset roles. It involves managing security group memberships in Azure Active Directory. Possibly, it delegates the task to your network administrators.

Reference:

<https://www.fourmoo.com/2018/02/20/dynamic-row-level-security-is-easy-with-active-directory-security-group>

<https://docs.microsoft.com/en-us/power-bi/guidance/rls-guidance>

### NEW QUESTION 2

- (Exam Topic 4)

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 are modeling data by using Microsoft Power BI. Part of the data model is a large Microsoft SQL Server table named Order that has more than 100 million records.

During the development process, you need to import a sample of the data from the Order table. Solution: From Power Query Editor, you import the table and then add a filter step to the query. Does this meet the goal?

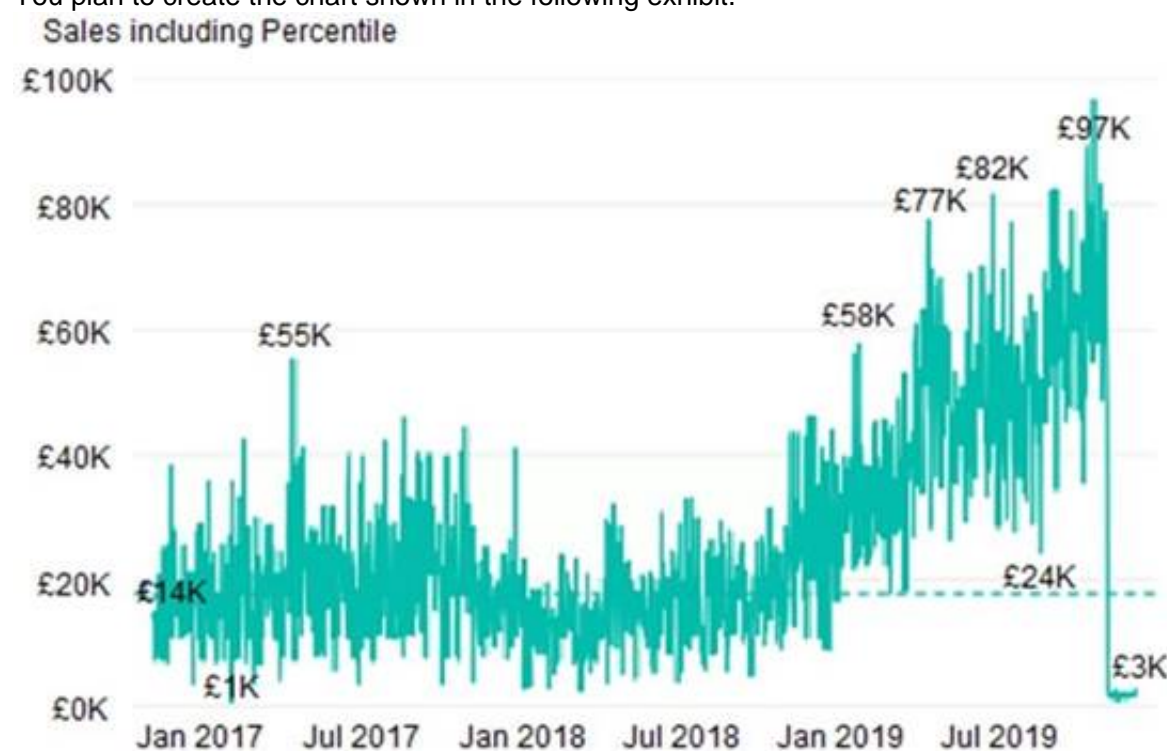
- A. Yes
- B. No

**Answer: A**

### NEW QUESTION 3

- (Exam Topic 4)

You plan to create the chart shown in the following exhibit.



How should you create the dashed horizontal line denoting the 40th percentile of daily sales for the period shown?

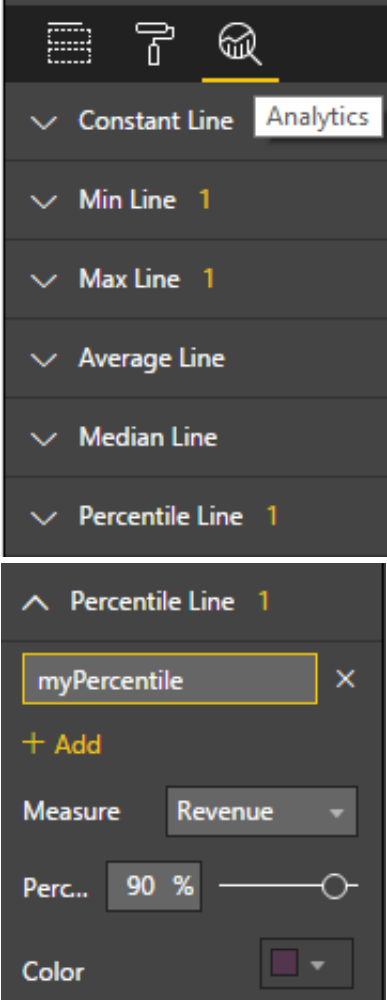
- A. Create a horizontal line that has a fixed value of 24,000.
- B. Add a measure to the visual that uses the following DAX expression: `Measures - PERCENTUEX.EXC (Sales,Sales[Total Sales],@.40)`
- C. Add a new percentile line that uses Total Sales as the measure and 40% as the percentile.
- D. Add a measure to the visual that uses the following DAX expression: `Measures = PERCENTILEX.INC (Sales,Sales[Total Sales],6.40)`

**Answer: C**

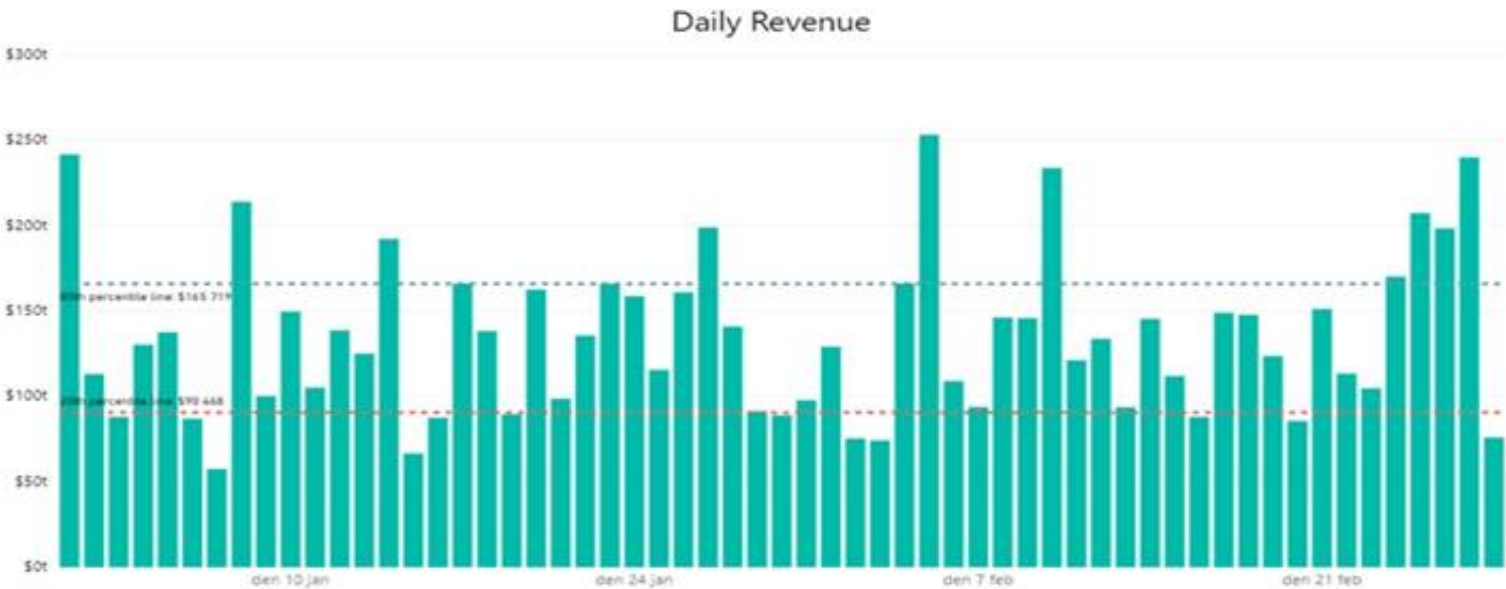
#### Explanation:

The analytics feature enables you to show percentiles across groups specified along a specific axis. Example:

- \* 1. Click on the analytics tab
- \* 2. Select Percentile
- \* 3. You can choose a specific percentile along with other formatting options.
- \* 4. Drag a date or non-numeric dimension into the Axis of a column chart



Add percentile lines to monitor daily revenue



NEW QUESTION 4

- (Exam Topic 4)

You are creating a visual to show the ranking of product categories by sales revenue.

Your company's security policy states that you cannot send data outside of your Microsoft Power BI tenant Which approach provides the widest variety of visuals while adhering to the security policy?

- A. Use default visuals or custom visuals uploaded from a .pbviz file.
- B. Use only default visuals.
- C. Use default or any custom visuals from the marketplace.
- D. Use default or certified custom visuals.

Answer: C

NEW QUESTION 5

- (Exam Topic 4)

You have a query named Customer that imports CSV files from a data lake. The query contains 500 rows as shown in the exhibit. (Click the Exhibit tab.)



ABC Source.Name	123 Customer ID	ABC Modified Date	ABC Customer	ABC Category
Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%
1 Customer20200104.csv	1	1/1/2020 12:00:00 AM	Tailspin Toys (Head Office)	Novelty Shop
2 Customer20200104.csv	2	1/1/2020 12:00:00 AM	Tailspin Toys (Sylvanite, MT)	Novelty Shop
3 Customer20200104.csv	3	1/1/2020 12:00:00 AM	Tailspin Toys (Peeples Valley, AZ)	Novelty Shop
4 Customer20200104.csv	4	1/4/2020 12:00:00 AM	Tailspin Toys (Medicine Lodge, KS)	Novelty Shop
5 Customer20200104.csv	5	1/4/2020 12:00:00 AM	Tailspin Toys (Gasport, NY)	Novelty Shop
6 Customer20200104.csv	6	1/4/2020 12:00:00 AM	Tailspin Toys (Jessie, ND)	Novelty Shop
7 Customer20200104.csv	7	1/4/2020 12:00:00 AM	Tailspin Toys (Frankewing, TN)	Novelty Shop
8 Customer20200104.csv	8	1/4/2020 12:00:00 AM	Tailspin Toys (Bow Mar, CO)	Novelty Shop
9 Customer20200104.csv	9	1/4/2020 12:00:00 AM	Tailspin Toys (Netcong, NJ)	Novelty Shop
10 Customer20200104.csv	10	1/4/2020 12:00:00 AM	Tailspin Toys (Wimbledon, ND)	Novelty Shop
11 Customer20200112.csv	1	1/12/2020 12:00:00 AM	Tailspin Toys (Head Office)	Novelty Shop
12 Customer20200112.csv	2	1/12/2020 12:00:00 AM	Tailspin Toys (Sylvanite, MT)	Novelty Shop
13 Customer20200112.csv	3	1/12/2020 12:00:00 AM	Tailspin Toys (Peeples Valley, AZ)	Novelty Shop
14 Customer20200112.csv	4	1/12/2020 12:00:00 AM	Tailspin Toys (Medicine Lodge, KS)	Novelty Shop
15 Customer20200112.csv	5	1/12/2020 12:00:00 AM	Tailspin Toys (Gasport, NY)	Novelty Shop
16 Customer20200112.csv	2	1/22/2020 12:00:00 AM	Tailspin Toys (Sylvanite, MT)	Novelty Shop
17 Customer20200112.csv	7	1/22/2020 12:00:00 AM	Tailspin Toys (Frankewing, TN)	Novelty Shop
18 Customer20200112.csv	8	1/22/2020 12:00:00 AM	Tailspin Toys (Bow Mar, CO)	Novelty Shop
19 Customer20200112.csv	9	1/22/2020 12:00:00 AM	Tailspin Toys (Netcong, NJ)	Novelty Shop
20 Customer20200112.csv	10	1/22/2020 12:00:00 AM	Tailspin Toys (Wimbledon, ND)	Novelty Shop

Each file contains deltas of any new or modified rows from each load to the data lake. Multiple files can have the same customer ID.

You need to keep only the last modified row for each customer ID.

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.

**Actions**

Filter the Customer query on Modified Date is Latest.

Merge the CustomerGrouped query into the Customer query based on Customer ID and Modified Date by using a left outer join.

Remove duplicates in the Customer ID column.

Duplicate the Customer query and name the new query CustomerGrouped.

Group the CustomerGrouped query by Customer ID and output the max Modified Date value into a column named Modified Date.

Merge the two queries based on Customer ID and Modified Date by using an inner join.

**Answer Area**

⏪

⏩

⏴

⏵

- A. Mastered  
 B. Not Mastered

**Answer: A**

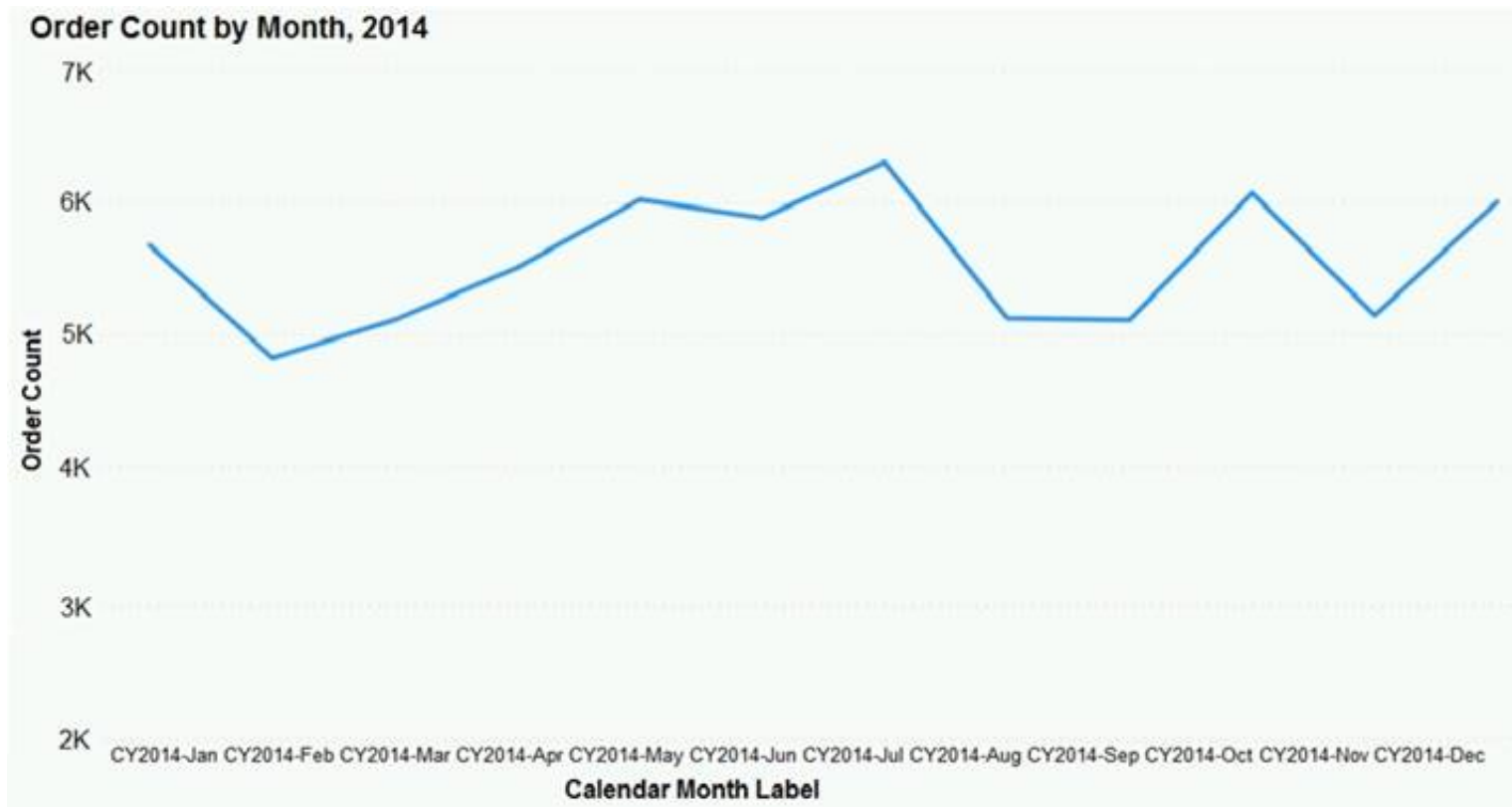
**Explanation:**

- 1) Duplicate Customer query
- 2) Group by CustId by Max ModifiedDate (only 2 columns to keep)
- 3) Merge two queries on CustId and ModifiedDate inner join (to retrieve other customer informations related to latest Date)

**NEW QUESTION 6**

- (Exam Topic 4)

You have the line chart shown in the exhibit. (Click the Exhibit tab.)



You need to modify the chart to meet the following requirements:

- Identify months that have order counts above the mean.
- Display the mean monthly order count.

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.

Actions		Answer Area
Create a 12-month rolling average quick measure and add the measure to the line chart value.		
From the Analytics pane, add a Median line.		
Select the line chart.	⬅	⬆
From the Analytics pane, add an Average line.	➡	⬇
Turn on data labels for the new line.		

- A. Mastered  
 B. Not Mastered

Answer: A

Explanation:

Actions		Answer Area
Create a 12-month rolling average quick measure and add the measure to the line chart value.		
From the Analytics pane, add a Median line.		
Select the line chart.	⬅	Select the line chart.
From the Analytics pane, add an Average line.	➡	From the Analytics pane, add an Average line.
Turn on data labels for the new line.		Turn on data labels for the new line.



### NEW QUESTION 7

- (Exam Topic 3)

You need to design the data model to meet the report requirements. What should you do in Power BI Desktop?

- A. From Power Query, use a DAX expression to add columns to the Orders table to calculate the calendar quarter of the OrderDate column, the calendar month of the OrderDate column, the calendar quarter of the ShippedDate column, and the calendar month of the ShippedDate column.
- B. From Power Query, add columns to the Orders table to calculate the calendar quarter and the calendar month of the OrderDate column.
- C. From Power BI Desktop, use the Auto date/time option when creating the reports.
- D. From Power Query, add a date table
- E. Create an active relationship to the OrderDate column in the Orders table and an inactive relationship to the ShippedDate column in the Orders table.

**Answer: B**

#### Explanation:

Use Power Query to calculate calendar quarter and calendar month.

Scenario:

- A single dataset must support all three reports:
- The Top Customers report will show the top 20 customers based on the highest sales amounts in a selected order month or quarter, product category, and sales region.
- The Top Products report will show the top 20 products based on the highest sales amounts sold in a selected order month or quarter, sales region, and product category.
- The data model must minimize the size of the dataset as much as possible, while meeting the report requirements and the technical requirements.

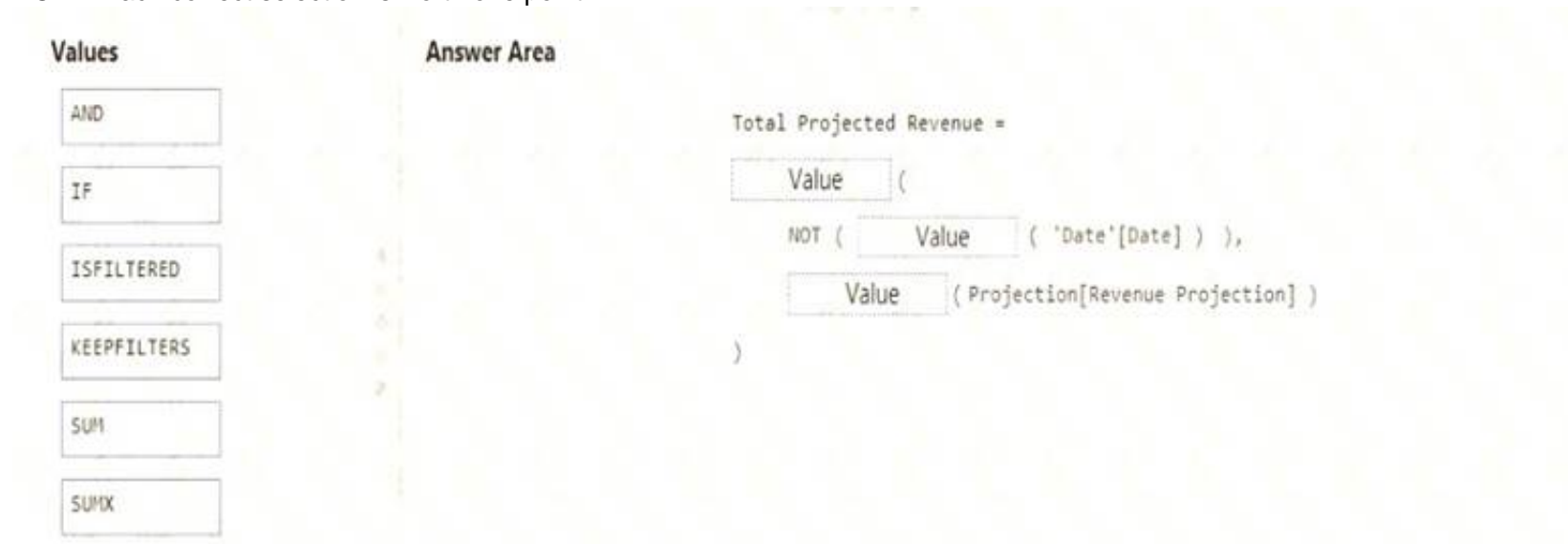
### NEW QUESTION 8

- (Exam Topic 2)

You need to create a DAX measure in the data model that only allows users to see projections at the appropriate levels of granularity.

How should you complete the measure? 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.



- A. Mastered
- B. Not Mastered

**Answer: A**

#### Explanation:

Scenario: Revenue projections are set at the monthly level and summed to show projections for the quarter. Box 1: IF

Box 2: ISFILTERED

ISFILTERED returns TRUE when columnName is being filtered directly. If there is no filter on the column or if the filtering happens because a different column in the same table or in a related table is being filtered then the function returns FALSE.

Box 3: SUM

Reference:

<https://docs.microsoft.com/en-us/dax/isfiltered-function-dax>


### NEW QUESTION 9

- (Exam Topic 2)


How should you distribute the reports to the board? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

## Answer Area

Grant access by: 

Sharing individual reports
Using a workspace membership
Using an app

Grant access to: 

A dynamic distribution list
A mail-enabled security group
Individual user emails

- A. Mastered
- B. Not Mastered

**Answer:** A

### Explanation:

Box 1: Using a workspace membership Scenario:

The company wants to provide a single package of reports to the board that contains custom navigation and links to supplementary information.

Note: Workspace is a shared environment for a group of people. You can have multiple Power BI content in a workspace. One workspace can have hundreds of dashboards, reports, and datasets in it.

Box 2: A mail-enabled security group Scenario: Security Requirements

The reports must be made available to the board from powerbi.com. A mail-enabled security group will be used to share information with the board.

### NEW QUESTION 10

- (Exam Topic 2)

What is the minimum number of datasets and storage modes required to support the reports?

- A. two imported datasets
- B. a single DirectQuery dataset
- C. two DirectQuery datasets
- D. a single imported dataset

**Answer:** D

### Explanation:

"The analysts responsible for each business unit must see all the data the board sees, except the profit and loss data, which must be restricted to only their business unit's data. The analysts must be able to build new reports from the dataset that contains the profit and loss data" => one dataset and two separate workspaces Reason: All data can be imported into one dataset also if these are two logical models. Shared dimensions can be reconsumed in both models. Reports and additional materials can be shared to the board with an app. The "profit and loss" data model needs RLS for the analysts and the analysts must have just read access to the original workspace. In a separate workspace with contributor (or more rights) they can create new reports (with live connection to the dataset). It is also stated that the new reports mustn't be shared so therefore no need to include them into the app. Import vs. DirectQuery: Due to RLS requirements an imported dataset is needed. It is not possible with file sources and Sharepoint lists.

### NEW QUESTION 10

- (Exam Topic 1)

You need to create a calculated column to display the month based on the reporting requirements. Which DAX expression should you use?

- A. `FORMAT('Date'[date], "MMM YYYY")`
- B. `FORMAT('Date' [date], "M YY")`
- C. `FORMAT('Date'[date_id], "MMM") & "" & FORMAT('Date'[year], "#")`
- D. `FORMAT('Date' [date_id], "MMM YYYY")`

**Answer:** A

### NEW QUESTION 15

- (Exam Topic 1)

You need to address the data concerns before creating the data model. What should you do in Power Query Editor?

- A. Select Column distribution.
- B. Select the sales\_amount column and apply a number filter.
- C. Select Column profile, and then select the sales\_amount column.
- D. Transform the sales\_amount column to replace negative values with 0.

**Answer:** C

### NEW QUESTION 19

- (Exam Topic 1)

What should you create to meet the reporting requirements of the sales department?

- A. a measure that uses a formula of SUM (Sales [sales\_id])
- B. a calculated column that use a formula of COUNTA(sales [sales\_id])
- C. a measure that uses a formula of COUNTROWS (Sales)
- D. a calculated column that uses a formula of SUM (Sales [sales\_id])

**Answer:** C

**Explanation:**

The sale department requires reports that contain the number of sales transactions.  
 The COUNTROWS function counts the number of rows in the specified table, or in a table defined by an expression.  
 Reference:  
<https://docs.microsoft.com/en-us/dax/countrows-function-dax>

**NEW QUESTION 22**

- (Exam Topic 4)  
 You have the following three versions of an Azure SQL database:

- > Test
- > Production
- > Development

You have a dataset that uses the development database as a data source.  
 You need to configure the dataset so that you can easily change the data source between the development, test, and production database servers from powerbi.com. Which should you do?

- A. Create a JSON file that contains the database server name
- B. Import the JSON file to the dataset.
- C. Create a parameter and update the queries to use the parameter.
- D. Create a query for each database server and hide the development tables.
- E. Set the data source privacy level to Organizational and use the ReplaceValue Power Query M function.

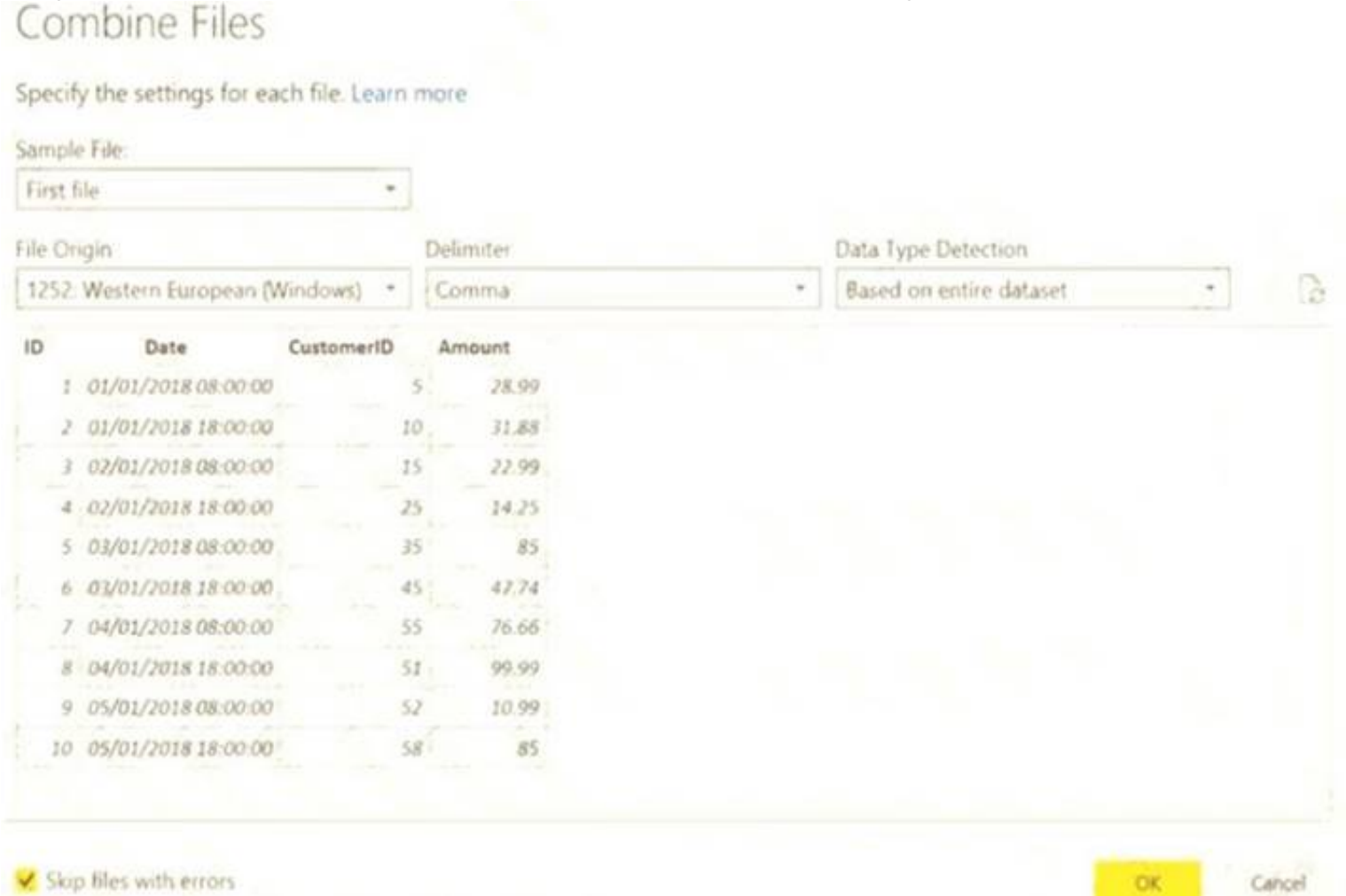
**Answer:** B

**Explanation:**

<https://docs.microsoft.com/en-us/learn/modules/create-manage-workspaces-power-bi/4-development-lifecycle-s>

**NEW QUESTION 23**

- (Exam Topic 4)  
 You have a folder of monthly transaction extracts.  
 You plan to create a report to analyze the transaction data.  
 You receive the following email message: "Hi. I've put 24 files of monthly transaction data onto the shared drive. File Transactions201901.csv through Transactions201912.csv have the latest set of columns, but files Transactions201801.csv to Transactions201812.csv have an older layout without the extra fields needed for analysis. Each file contains 10 to 50 transactions."  
 You get data from the folder and select Combine & Load. The Combine Files dialog box is shown in the exhibit. (Click the Exhibit tab.)



For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.



Answer Area	Statements	Yes	No
	The resulting query will contain all the columns from the 2018 transactions.	<input type="radio"/>	<input type="radio"/>
	The resulting query will contain all the columns from the 2019 transactions.	<input type="radio"/>	<input type="radio"/>
	Setting Data Type Detection to <b>Based on first 200 rows</b> will improve import times.	<input type="radio"/>	<input type="radio"/>

- A. Mastered  
 B. Not Mastered

**Answer:** A

**Explanation:**

Graphical user interface, text, application Description automatically generated

Box 1: Yes

The four columns used in the 2018 transactions are already displayed.

Box 2: Yes

The columns used are based on the entire dataset. The additional columns in the 2019 files will be detected. Box 3: Yes

Note: Under the hood, Power BI will automatically detect which delimiter to use, and may even promote the first row as headers. You can manually change the delimiter, or define how Power BI should handle data types. You can set it to automatically detect data types based on first 200 rows, or the entire dataset or you can even opt out the detection of data types.

**NEW QUESTION 24**

- (Exam Topic 4)

You have a line chart that shows the number of employees in a department over time. You need to see the total salary costs of the employees when you hover over a data point. What is possible way to achieve this goal?

- A. Add a salary to the tooltips.  
 B. Add a salary to the visual filters.  
 C. Add salary to the drillthrough fields.

**Answer:** A

**Explanation:**

<https://docs.microsoft.com/en-us/power-bi/create-reports/desktop-custom-tooltips> <https://technovids.com/power-bi-filters/>

**NEW QUESTION 25**

- (Exam Topic 4)

You build a report to help the sales team understand its performance and the drivers of sales. The team needs to have a single visualization to identify which factors affect success. Which type of visualization should you use?

- A. Key influences  
 B. Funnel chart  
 C. Q&A  
 D. Line and clustered column chart

**Answer:** A

**Explanation:**

The key influencers visual helps you understand the factors that drive a metric you're interested in. It analyzes your data, ranks the factors that matter, and displays them as key influencers.

The key influencers visual is a great choice if you want to:

- > See which factors affect the metric being analyzed.
- > Contrast the relative importance of these factors. For example, do short-term contracts have more impact on churn than long-term contracts?

Reference:

<https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-influencers>

**NEW QUESTION 29**

- (Exam Topic 4)

You have a Microsoft Power BI data model that contains three tables named Orders, Date, and City. There is a one-to-many relationship between Date and Orders and between City and Orders.

The model contains two row-level security (RLS) roles named Role1 and Role2. Role1 contains the following filter.

City[State Province] = "Kentucky" Role2 contains the following filter. Date[Calendar Year] = 2020

If a user is a member of both Role1 and Role2, what data will they see in a report that uses the model?

- A. The user will see data for which the State Province value is Kentucky and the Calendar Year is 2020.  
 B. The user will see data for which the State Province value is Kentucky or the Calendar Year is 2020.  
 C. The user will see only data for which the State Province value is Kentucky.  
 D. The user will receive an error and will not be able to see the data in the report.

**Answer:** B

**Explanation:**

When a report user is assigned to multiple roles, RLS filters become additive. It means report users can see table rows that represent the union of those filters.

Reference:

<https://docs.microsoft.com/en-us/power-bi/guidance/rls-guidance>

#### NEW QUESTION 31

- (Exam Topic 4)

You have multiple dashboards.

You need to ensure that when users browse the available dashboards from powerbi.com, they can see which dashboards contain Personally Identifiable Information (PII). The solution must minimize configuration effort and impact on the dashboard design.

What should you use?

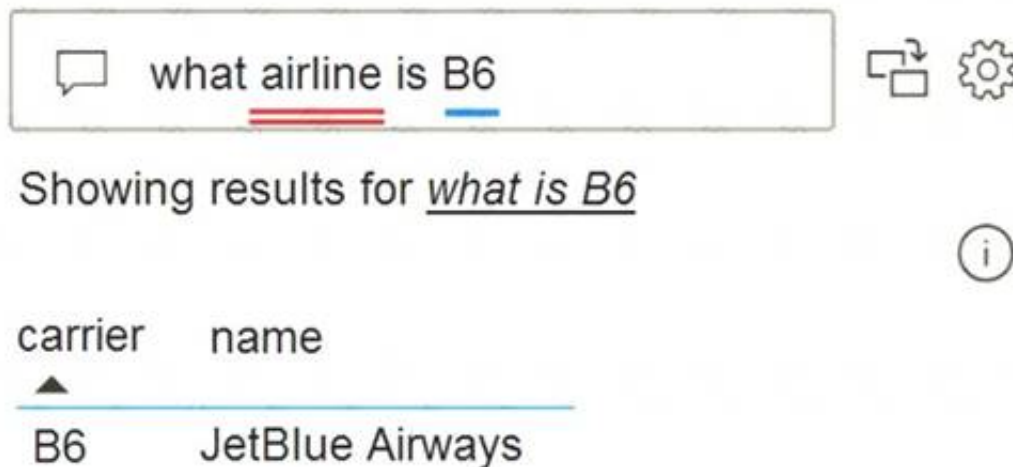
- A. Active Directory groups
- B. tiles
- C. data classifications
- D. comments

**Answer: A**

#### NEW QUESTION 35

- (Exam Topic 4)

You have a Q&A visual that displays information from a table named Carriers as shown in the following exhibit.



You need to ensure that users can ask questions by using the term airline or carrier. The solution must minimize changes to the data model.

What should you do?

- A. Add a duplicate query named Airline.
- B. Add airline as a synonym of carrier.
- C. Rename the carrier column as airline in the Carriers query.
- D. Rename the query from Carriers to airlines.

**Answer: B**

#### Explanation:

Add synonyms to tables and columns: This step applies specifically to Q&A (and not to Power BI reports in general). Users often have a variety of terms they use to refer to the same thing, such as total sales, net sales, total net sales. You can add these synonyms to tables and columns in the Power BI model.

This step can be important. Even with straightforward table and column names, users of Q&A ask questions using the vocabulary that first comes to them. They're not choosing from a predefined list of columns. The more sensible synonyms you add, the better your users' experience is with your report.

Reference:

<https://docs.microsoft.com/en-us/power-bi/natural-language/q-and-a-best-practices>

#### NEW QUESTION 40

- (Exam Topic 4)

Your company plans to completely separate development and production assets such as datasets, reports, and dashboards in Microsoft Power BI.

You need to recommend an application lifecycle strategy. The solution must minimize access to production assets and prevent end users from viewing the development assets.

What should you recommend?

- A. Create production reports in a separate workspace that uses a shared dataset from the development workspace.
- B. Grant the end users access to the production workspace.
- C. Create one workspace for development
- D. From the new workspace, publish an app for production.
- E. Create a workspace for development and a workspace for production
- F. From the production workspace, publish an app.
- G. In one workspace, create separate copies of the assets and append DEV to the names of the copied asset
- H. Grant the end users access to the workspace.

**Answer: C**

#### Explanation:

Use different work stages (Development, Test, and Production). Deploy from the Development workspace.

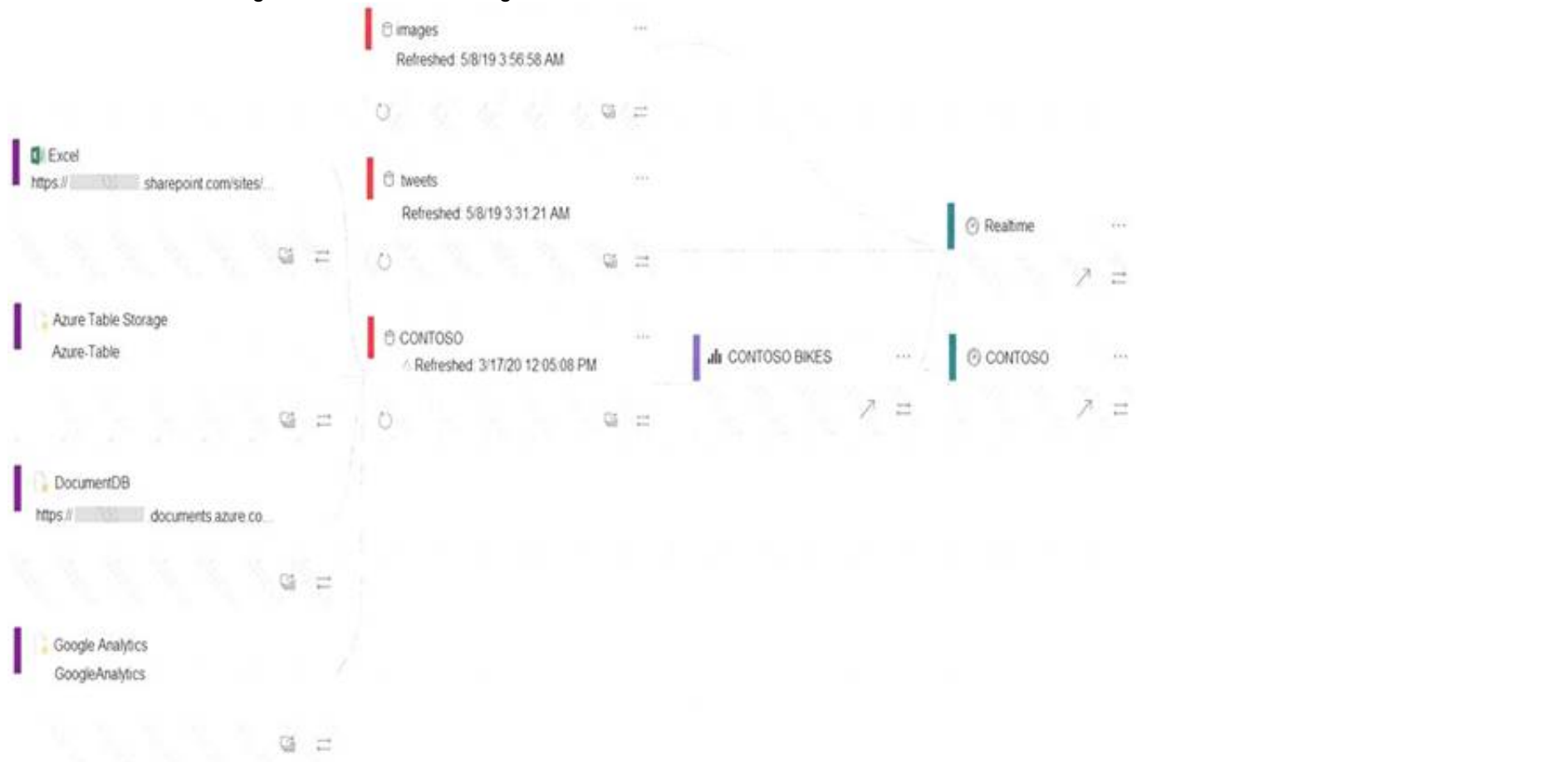
Reference:

<https://visualbi.com/blogs/microsoft/powerbi/application-lifecycle-management-power-bi/>

#### NEW QUESTION 43

- (Exam Topic 4)

You have the data lineage 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.

The CONTOSO dataset is consumed directly by the
 

CONTOSO BIKES report  
 CONTOSO dashboard  
 Realtime dashboard

The Realtime dashboard depends on
 

one dataset  
 two datasets  
 three datasets  
 four datasets

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**  
 Text, table Description automatically generated with medium confidence  
 Box 1: CONTOSO BIKES report Box 2: three datasets  
 Images, tweets and the Contoso datasets.

**NEW QUESTION 47**

- (Exam Topic 4)

You create a dashboard by using the Microsoft Power BI Service. The dashboard contains a card visual that shows total sales from the current year. You grant users access to the dashboard by using the viewer role on the workspace. A user wants to receive daily notifications of the number shown on the card visual. You need to automate the notifications. What should you do?

- A. Share the dashboard to the user.
- B. Create a subscription.
- C. Create a data alert.
- D. Tag the user in a comment.

Answer: B

**Explanation:**  
 You can subscribe yourself and your colleagues to the report pages, dashboards, and paginated reports that matter most to you. Power BI e-mail subscriptions allow you to:

- > Decide how often you want to receive the emails: daily, weekly, hourly, monthly, or once a day after the initial data refresh.
- > Choose the time you want to receive the email, if you choose daily, weekly, hourly, or monthly. Note: Email subscriptions don't support most custom visuals. The one exception is those custom visuals that have been certified.

Email subscriptions don't support R-powered custom visuals at this time. Reference:  
<https://docs.microsoft.com/en-us/power-bi/collaborate-share/service-report-subscribe> <https://docs.microsoft.com/en-us/power-bi/create-reports/service-set-data-alerts>



**NEW QUESTION 52**

- (Exam Topic 4)

You are building a Power BI report to analyze customer segments.

You need to identify customer segments dynamically based on the Bounce Rate across dimensions such as source, geography, and demographics. The solution must minimize analysis effort.

Which type of visualization should you use?

- A. decomposition tree
- B. funnel chart
- C. Q&A
- D. key influencers

**Answer:** D

**Explanation:**

The key influencers visual is a great choice if you want to: See which factors affect the metric being analyzed.

Contrast the relative importance of these factors. For example, do short-term contracts affect churn more than long-term contracts?

Note: The key influencers visual helps you understand the factors that drive a metric you're interested in. It

analyzes your data, ranks the factors that matter, and displays them as key influencers. For example, suppose you want to figure out what influences employee turnover, which is also known as churn. One factor might be employment contract length, and another factor might be commute time.

<https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-influencers>

**NEW QUESTION 55**

- (Exam Topic 4)

In Power BI Desktop, you are creating visualizations in a report based on an imported dataset

You need to allow Power BI users to export the summarized data used to create the visualizations but prevent the users from exporting the underlying data

What should you do?

- A. From Power BI Desktop, configure the Data Load settings for the current file.
- B. From the Power BI service, configure the dataset permissions.
- C. From Power BI Desktop, configure the Report settings for the current file.
- D. From Power BI Desktop, modify the data source permissions.

**Answer:** B

**NEW QUESTION 57**

- (Exam Topic 4)

You use an R visual to produce a map of 500,000 customers. You include the values of CustomerID, Latitude, and Longitude in the fields sent to the visual. Each customer ID is unique.

In powerbi.com, when users load the visual, they only see some of the customers. What is the cause of the issue?

- A. The visual was built by using a different version of R.
- B. The data comes from a Microsoft SQL Server source.
- C. The data is deduplicated.
- D. Too many records were sent to the visual.

**Answer:** D

**Explanation:**

R visuals in the Power BI service have a few limitations including:

➤ Data size limitations – data used by the R visual for plotting is limited to 150,000 rows. If more than 150,000 rows are selected, only the top 150,000 rows are used and a message is displayed on the image. Additionally, the input data has a limit of 250 MB.

Reference:

<https://docs.microsoft.com/en-us/power-bi/visuals/service-r-visuals>

**NEW QUESTION 60**

- (Exam Topic 4)

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 scenario, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have a clustered bar chart that contains a measure named Salary as the value and a field named Employee as the axis. Salary is present in the data as numerical amount representing US dollars.

You need to create a reference line to show which employees are above the median salary. Solution: You create an average line by using the Salary measure.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

Instead create a percentile line by using the Salary measure and set the percentile to 50%.

Note: The 50th percentile is also known as the median or middle value where 50 percent of observations fall below.

Reference:

[https://dash-intel.com/powerbi/statistical\\_functions\\_percentile.php](https://dash-intel.com/powerbi/statistical_functions_percentile.php)

**NEW QUESTION 64**

- (Exam Topic 4)

You publish a Microsoft Power BI dataset to powerbi.com. The dataset appends data from an on-premises Oracle database and an Azure SQL database by using one query.  
 You have admin access to the workspace and permission to use an existing On-premises data gateway for which the Oracle data source is already configured. You need to ensure that the data is updated every morning. The solution must minimize configuration effort. Which two actions should you perform when you configure scheduled refresh? Each correct answer presents part of the solution.  
 NOTE: Each correct selection is worth one point.

- A. Configure the dataset to use the existing On-premises data gateway.
- B. Deploy an On-premises data gateway in personal mode.
- C. Set the refresh frequency to Daily.
- D. Configure the dataset to use the personal gateway.

**Answer:** AC

**Explanation:**  
<https://docs.microsoft.com/en-us/power-bi/connect-data/service-gateway-personal-mode>

**NEW QUESTION 68**

- (Exam Topic 4)  
 You need to create a visual as shown in the following exhibit.

MonthName	Total Sales	Sales Last Year	% Growth to Last Year
January	£559,263.79	£144,365.51	74.19%
February	£583,915.29	£215,923.28	63.02%
March	£684,091.92	£211,347.46	69.11%
April	£957,686.49	£350,270.97	63.43%
May	£841,473.26	£310,708.65	63.08%
June	£876,911.71	£298,356.83	65.98%
July	£922,410.09	£348,435.28	62.23%
August	£1,002,219.24	£388,213.68	61.26%
September	£1,152,976.22	£407,595.76	64.65%
October	£1,262,647.67	£465,583.06	63.13%
November	£555,548.44	£555,548.44	0.00%
December	£553,615.45	£553,615.45	0.00%
Total	£9,952,759.56	£4,249,964.36	57.30%

The indicator color for Total Sales will be based on % Growth to Last Year. The solution must use the existing calculations only.  
 How should you configure the visual? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

**Answer Area**

Conditional formatting:
 

Background color
 Data bars
 Font color
 Icons
 Web URL

Format by:
 

Color scale
 Field value
 Rules

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**  
 Box 1: Background color  
 To format the Color column based on its field values, select Conditional formatting for the Color field, and then select Background color or Font color.  
 In the Background color or Font color dialog box, select Field value from the Format by drop-down field. Box 2: Field value  
 With conditional formatting for tables in Power BI Desktop, you can specify customized cell colors, including color gradients, based on field values.  
 Reference:  
<https://docs.microsoft.com/en-us/power-bi/create-reports/desktop-conditional-table-formatting>

**NEW QUESTION 70**

- (Exam Topic 4)

You have a Microsoft Power BI workspace.  
 You need to grant the user capabilities shown in the following table.

User name	Task
User1	Create and publish apps.
User2	Publish reports to the workspace and delete dashboards

The solution must use the principle of least privilege.  
 Which user role should you assign to each user? To answer, drag the appropriate roles to the correct users. Each role 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.

**Roles**

Admin

Contributor

Member

Viewer

**Answer Area**

User1:

User2:

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**  
 User 1 = Member  
 User 2 = Contributor  
<https://docs.microsoft.com/en-us/power-bi/collaborate-share/service-new-workspaces>

**NEW QUESTION 73**

- (Exam Topic 4)  
 Your company has employees in 10 states.  
 The company recently decided to associate each state to one of the following three regions: East, West, and North.  
 You have a data model that contains employee information by state. The model does NOT include region information.  
 You have a report that shows the employees by state.  
 You need to view the employees by region as quickly as possible. What should you do?

- A. Create a new aggregation that summarizes by employee.
- B. Create a new group on the state column and set the Group type to List.
- C. Create a new group on the state column and set the Group type to Bin.
- D. Create a new aggregation that summarizes by state.

**Answer:** B

**Explanation:**  
<https://www.mssqltips.com/sqlservertip/4720/binning-and-grouping-data-with-power-bi/>

**NEW QUESTION 75**

- (Exam Topic 4)  
 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 are modeling data by using Microsoft Power BI. Part of the data model is a large Microsoft SQL Server table named Order that has more than 100 million records.  
 During the development process, you need to import a sample of the data from the Order table. Solution: You add a report-level filter that filters based on the order date.  
 Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**  
 The filter is applied after the data is imported. Instead add a WHERE clause to the SQL statement. Reference:  
<https://docs.microsoft.com/en-us/power-bi/connect-data/service-gateway-sql-tutorial>

**NEW QUESTION 80**

- (Exam Topic 4)  
 You are building a dataset from a JSON file that contains an array of documents.  
 You need to import attributes as columns from all the documents in the JSON file. The solution must ensure that date attributes can be used as date hierarchies in Microsoft Power BI reports.  
 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.



Actions

Expand the columns.

Expand the records.

Add columns that use data type conversions.

Set the data types.

Convert the list to a table.

Answer Area

<

>

⬆

⬇

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**  
Here is an example: https://youtu.be/B4kzyxnhQfI The definition of the function which expand columns:  
https://docs.microsoft.com/en-us/powerquery-m/table-expandrecordcolumn

NEW QUESTION 81

- (Exam Topic 4)  
Your company has training videos that are published to Microsoft Stream. You need to surface the videos directly in a Microsoft Power BI dashboard. Which type of tile should you add?

- A. video
- B. custom streaming data
- C. text box
- D. web content

Answer: D

**Explanation:**  
https://docs.microsoft.com/en-us/stream/portal-embed-video  
https://docs.microsoft.com/en-us/power-bi/create-reports/service-dashboard-add-widget#add-web-content

NEW QUESTION 83

- (Exam Topic 4)  
You need to create a measure that will return the percentage of late orders.  
How should you complete the DAX expression? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

Late Orders Percent =

VAR OrderCount =

COUNTROWS ( 'Orders' )

VAR LateOrders =

CALCULATE

COUNTROWS ( 'Orders' ),

FILTER ( Orders,

Orders[ShippedDate] > Orders[RequiredDate]

)

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**  
Graphical user interface Description automatically generated

NEW QUESTION 86

- (Exam Topic 4)  
ion have a Power BI dataset that contains a table named Temperature Readings. Temperature Readings contains the columns shown in the following table.

Name	Data type	Value example
DateTime	DateTime	4-Aug-2020 13:30:01
Longitude	Decimal	10.049567988755534
Latitude	Decimal	53.462766759577057
TempCelsius	Decimal	12.5

The table has 12 million rows. All the columns are needed for analysis.  
 You need to optimize the dataset to decrease the model size. The solution must not affect the precision of the data.  
 What should you do?

- A. Split the DateTime column into separate date and time columns.
- B. Disable the Power Query load.
- C. Round the Longitude column two decimal places.
- D. Change the data type of the TempCelsius column to Integer

**Answer: B**

**Explanation:**

Disable Power Query load.

Power Query queries that are intended support data integration with other queries should not be loaded to the model. To avoid loading the query to the model, take care to ensure that you disable query load in these instances.

Reference:

<https://docs.microsoft.com/en-us/power-bi/guidance/import-modeling-data-reduction#disable-power-query-quer>

**NEW QUESTION 89**

- (Exam Topic 4)

You are developing a report page. Some users will navigate the report by using a keyboard, and some users will consume the report by using a screen reader. You need to ensure that the users can consume the content on a report page in a logical order. What should you configure in Microsoft Power BI Desktop?

- A. the bookmark order
- B. the layer order
- C. the tab order
- D. the X position

**Answer: C**

**Explanation:**

If you find yourself unable to navigate to an object or visual while using a keyboard, it may be because the report author has decided to hide that object from the tab order. Report authors commonly hide decorative objects from the tab order. If you find that you cannot tab through a report in a logical manner, you should contact the report author. Report authors can set the tab order for objects and visuals.

Reference:

<https://docs.microsoft.com/en-us/power-bi/create-reports/desktop-accessibility-consuming-tools>

**NEW QUESTION 94**

- (Exam Topic 4)

You have a Power BI report.

You need to create a calculated table to return the 100 highest spending customers.

How should you complete the DAX expression? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

**Answer Area**

Top 100 Customers =

100,

ASC[  
DESC(  
FILTER(  
SUMMARIZE[  
TOPN(

(FactTransaction,

ASC  
DESC  
FILTER  
SUMMARIZE  
TOPN

FactTransaction[Customer ID],

"Sales",

SUM(FactTransaction[Sales])),

[Sales],

ASC  
DESC  
FILTER  
SUMMARIZE  
TOPN

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: TOPN

TOPN returns the top N rows of the specified table. Box 2: SUMMARIZE

SUMMARIZE returns a summary table for the requested totals over a set of groups. Box 3: DESC

Sort in descending order.

It is last in the TOPN command. TOPN syntax:

TOPN(<n\_value>, <table>, <orderBy\_expression>, [<order>[, <orderBy\_expression>, [<order>]]...]) Reference:

<https://docs.microsoft.com/en-us/dax/topn-function-dax> <https://docs.microsoft.com/en-us/dax/summarize-function-dax>

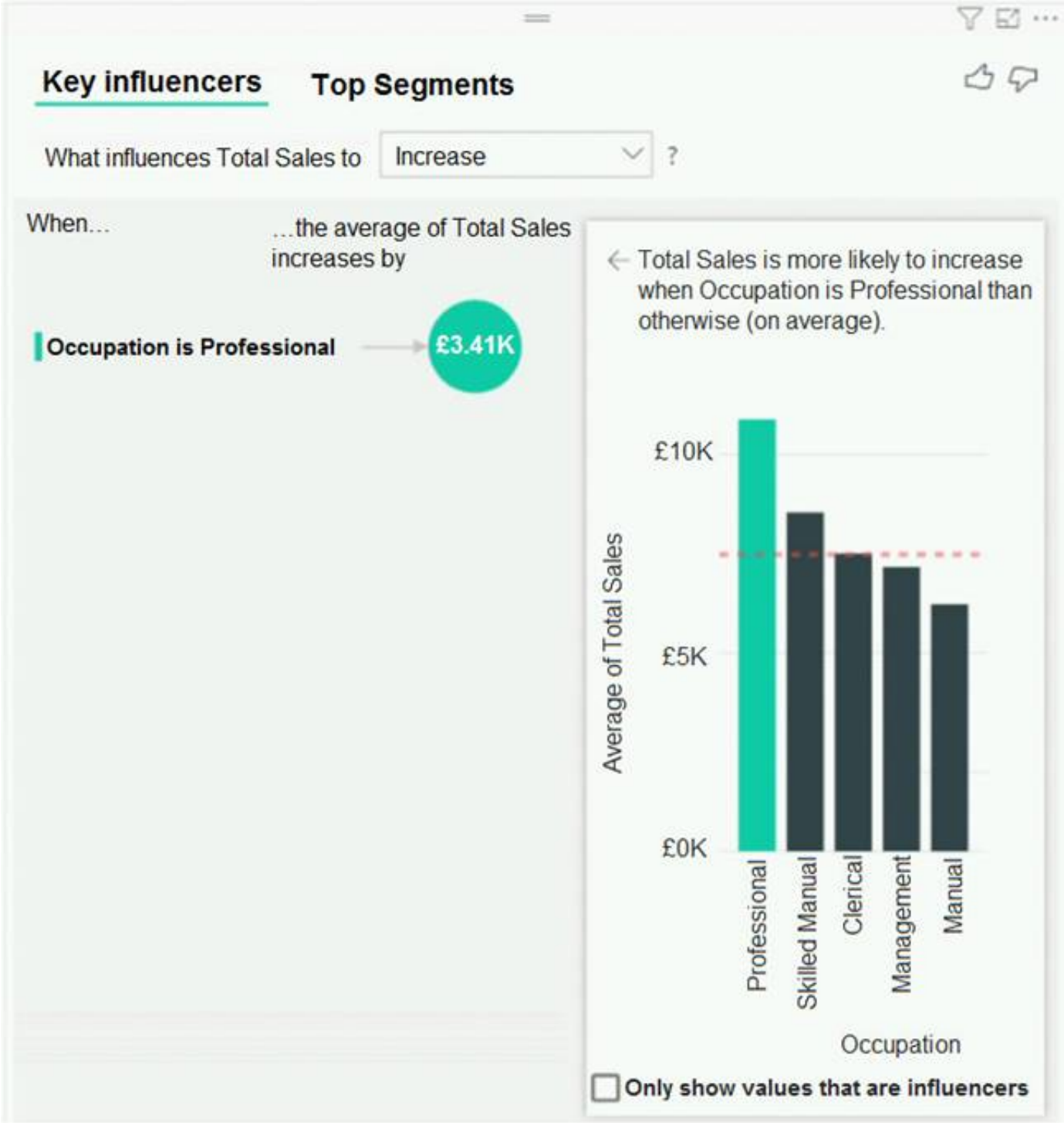
NEW QUESTION 97

- (Exam Topic 4)

You have a table that contains the following three columns:

- > City
- > Total Sales
- > Occupation

You need to create a key influencers visualization as shown in the exhibit. (Click the Exhibit tab.)



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



Answer Area

Analyze: 

▼

City

Occupation

Total Sales

Explain by: 

▼

City

Occupation

Total Sales

Expand by: 

▼

City

Occupation

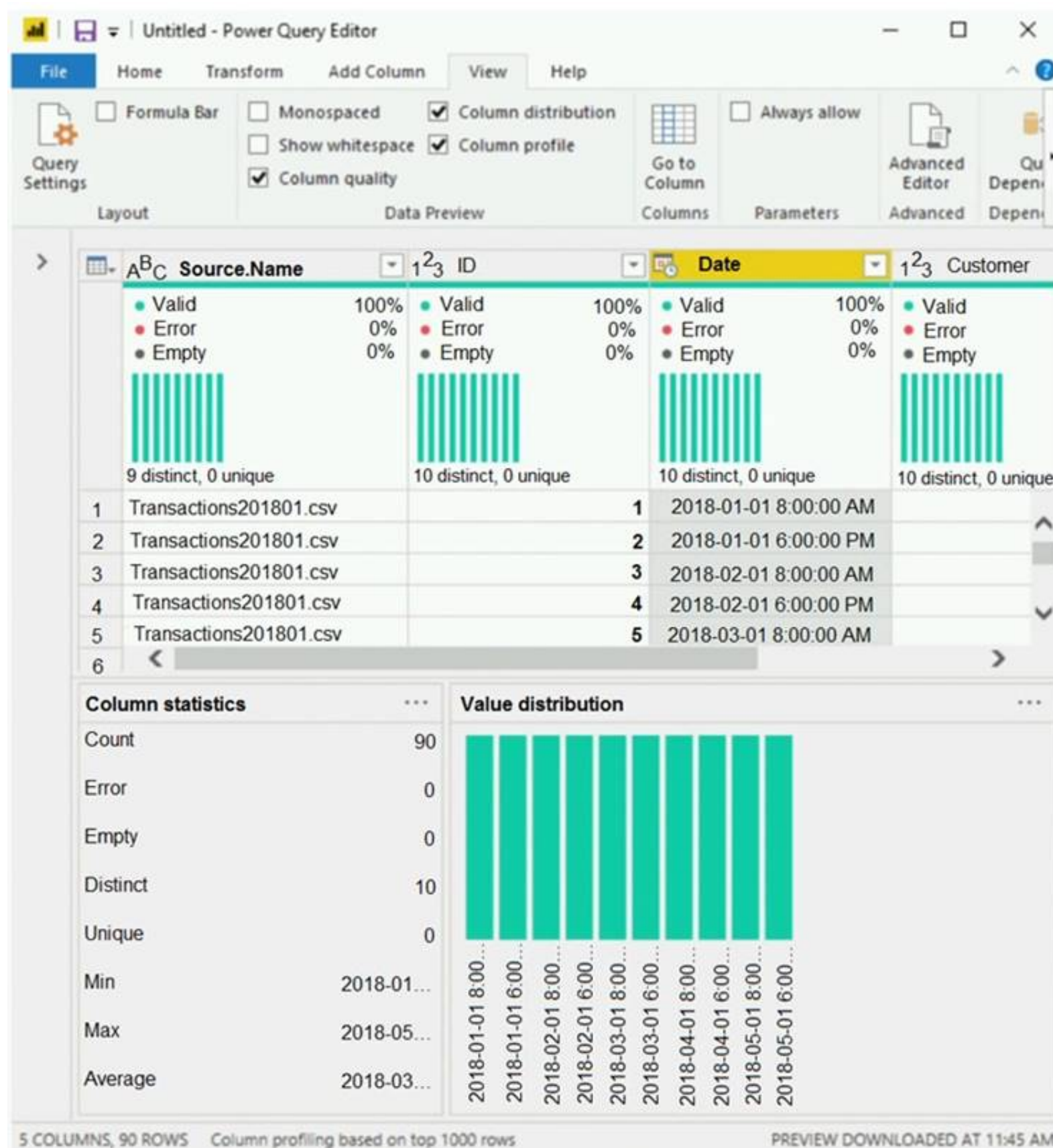
Total Sales

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**  
Box 1: Total Sales Box 2: Occupation  
Box 3: City  
You can use Expand By to add fields you want to use for setting the level of the analysis without looking for new influencers.  
Reference:  
<https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-influencers>

**NEW QUESTION 98**  
- (Exam Topic 4)  
You view a query named Transactions as shown in the following exhibit.



The query gets CSV files from a folder.

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

There are **[answer choice]** CSV files:

▼

9

10

25

90

1,000

Removing duplicates based on the Date column will reduce the dataset to **[answer choice]** rows:

▼

9

10

25

90

1,000

- A. Mastered  
 B. Not Mastered

Answer: A

Explanation:

Box 1: 9  
9 distinct CSV files.  
Box 2: 10  
10 distinct dates.  
<https://pediaa.com/what-is-the-difference-between-unique-and-distinct-in-sql/#:~:text=Unique%20and%20Disti>

#### NEW QUESTION 99

- (Exam Topic 4)

You import two Microsoft Excel tables named Customer and Address into Power Query. Customer contains the following columns:

- Customer ID
- Customer Name
- Phone
- Email Address
- Address ID

Address contains the following columns:

- Address ID
- Address Line 1
- Address Line 2
- City
- State/Region
- Country
- Postal Code

The Customer ID and Address ID columns represent unique rows.

You need to create a query that has one row per customer. Each row must contain City, State/Region, and Country for each customer.

What should you do?

- A. Merge the Customer and Address tables.
- B. Transpose the Customer and Address tables.
- C. Group the Customer and Address tables by the Address ID column.
- D. Append the Customer and Address tables.

**Answer:** A

#### Explanation:

There are two primary ways of combining queries: merging and appending.

- When you have one or more columns that you'd like to add to another query, you merge the queries.
- When you have additional rows of data that you'd like to add to an existing query, you append the query.

Reference:

<https://docs.microsoft.com/en-us/power-bi/connect-data/desktop-shape-and-combine-data>

#### NEW QUESTION 102

- (Exam Topic 4)

You have a Microsoft Power BI dashboard.

You need to ensure that consumers of the dashboard can give you feedback that will be visible to the other consumers of the dashboard.

What should you use?

- A. Feedback
- B. Subscribe
- C. Comments
- D. Mark as favorite

**Answer:** C

#### Explanation:

<https://docs.microsoft.com/en-us/power-bi/consumer/end-user-comment>

#### NEW QUESTION 105

- (Exam Topic 4)

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 scenario, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have several reports and dashboards in a workspace.

You need to grant all organizational users read access to a dashboard and several reports.

Solution: You publish an app to the entire organization. Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

#### Explanation:

<https://docs.microsoft.com/es-es/power-bi/collaborate-share/service-create-distribute-apps>

#### NEW QUESTION 108



- (Exam Topic 4)  
 You are creating a quick measure as shown in the following exhibit.

# Quick measures

Calculation

Rolling average

Calculate the average of base value over a certain number of periods before and/or after each date.  
[Learn more](#)

Base value ⓘ

Add data fields here

Date ⓘ

Add data fields here

Period ⓘ

Days

Periods before ⓘ

1

Periods after ⓘ

0

Fields

Customer

Product

Sales

Date

Gross Margin

Month

MonthNumberOfYear

Quarter

Sales\_SRC

Time Intelligence

Total Cost

Total Order Qty

Total Sales

Total Sales rolling average

Unit Price

Year

You need to create a monthly rolling average measure for Sales over time-How should you configure the quick measure calculation? To answer, select the appropriate options in the answer area.  
 NOTE: Each correct selection is worth one point.

## Answer Area

Base value:

▼

Month

Total Cost

Total Order Qty

Total Sales

Year

Date:

▼

Date

Month

Total Sales

Year

Period:

▼

Days

Months

Quarters

Years

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**  
 Box 1: Total Sales  
 We select the field Total Sales  
 Box 2: Date Select a date field. Box 3: Month Monthly periods. Reference:  
<https://docs.microsoft.com/en-us/power-bi/transform-model/desktop-quick-measures>

### NEW QUESTION 110

- (Exam Topic 4)  
 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 scenario, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.  
 You have several reports and dashboards in a workspace.

You need to grant all organizational users read access to a dashboard and several reports. Solution: You assign all the users the Viewer role to the workspace. Does this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

The Viewer role gives a read-only experience to its users. They can view dashboards, reports, or workbooks in the workspace, but can't browse the datasets or dataflows. Use the Viewer role wherever you would previously use a classic workspace set to "Members can only view Power BI content".  
Reference:  
<https://powerbi.microsoft.com/en-us/blog/announcing-the-new-viewer-role-for-power-bi-workspaces/>

NEW QUESTION 115

- (Exam Topic 4)

You build a report about warehouse inventory data. The dataset has more than 10 million product records from 200 warehouses worldwide. You have a table named Products that contains the columns shown in the following table.

Name	Sample data
ProductDescription	Bikes > Adventure Works > Mountain Bikes > Super Carbon Bike > 26in wheels 42in frame
ProductCategory	Bikes
Manufacturer	Adventure Works
ProductSubcategory	Mountain Bikes
ProductSpecification	26in wheels 42in frame

Warehouse managers report that it is difficult to use the report because the report uses only the product name in tables and visuals. The product name is contained within the ProductDescription column and is always the fourth value.  
You need to modify the report to support the warehouse managers requirement to explore inventory levels at different levels of the product hierarchy. The solution must minimize the model size.  
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.

Actions

Create a product hierarchy of Manufacturer, ProductSpecifications, ProductName, ProductSubcategory, and ProductCategory.

Replace the use of ProductDescription in the report with the product hierarchy.

Transform the ProductDescription column to contain only the text between the first and fourth > symbol.

Add the product hierarchy as an extra field in visuals where ProductDescription is used.

Add a column named ProductName that contains only the text between the third and fourth > symbol in the ProductDescription column.

Add a column named ProductName that contains all the text after the third > symbol in the ProductDescription column.

Create a product hierarchy of ProductCategory, ProductSubcategory, Manufacturer, ProductName, and ProductSpecifications.

Answer Area

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

Create a product hierarchy of Manufacturer, ProductSpecifications, ProductName, ProductSubcategory, and ProductCategory.

3 Replace the use of ProductDescription in the report with the product hierarchy.

Transform the ProductDescription column to contain only the text between the first and fourth > symbol.

Add the product hierarchy as an extra field in visuals where ProductDescription is used.

1 Add a column named ProductName that contains only the text between the third and fourth > symbol in the ProductDescription column.

Add a column named ProductName that contains all the text after the third > symbol in the ProductDescription column.

2 Create a product hierarchy of ProductCategory, ProductSubcategory, Manufacturer, ProductName, and ProductSpecifications.

## NEW QUESTION 120

- (Exam Topic 4)

Your company plans to completely separate development and production assets such as datasets, reports, and dashboards in Microsoft Power BI.

You need to recommend an application lifecycle strategy. The solution must minimize maintenance to update access and prevent end users from viewing the development assets.

What should you recommend?

- A. Create production reports in a separate workspace that uses a shared dataset from the development workspace
- B. Grant the end users access to the production workspace.
- C. In the same workspace, create separate copies of the assets and append DEV to the names of the copied asset
- D. Grant the end users access to the workspace.
- E. Create separate workspaces for development and production
- F. Grant the end users access to the production workspace.
- G. Create one workspace for development
- H. From the workspace, publish an app for production.

**Answer: C**

## NEW QUESTION 121

- (Exam Topic 4)

You receive revenue data that must be included in Microsoft Power BI reports.

You perform an initial load of the data from a Microsoft Excel source as shown in the following exhibit.

	Column1	Column2	Column3	Column4	Column5	Column6
	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%
1	Department	Product	2016	2017	2018	2019
2	Bikes	Carbon mountainbike	1002815	1006682	1007814	1007239
3	Bikes	Aluminium road bike	1007024	1009454	1005842	1007105
4	Bikes	Touring bike	1003676	1005171	1001669	1003244
5	Accessories	Bell	76713	10247	60590	25927
6	Accessories	Bottle holder	26690	29613	67955	71466
7	Accessories	Satnav	83189	40113	71684	24697
8	Accessories	Mobilephone holder	68641	80336	58099	45706

You plan to create several visuals from the data, including a visual that shows revenue split by year and product.

You need to transform the data to ensure that you can build the visuals. The solution must ensure that the columns are named appropriately for the data that they contain.

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.

**Actions**

Select Use Headers as First Row.

Select Department and Product and Unpivot Other Columns.

Select Use First Rows as Headers.

Rename the third column as Year and the fourth column as Revenue.

Select Department and Product and Unpivot Columns.

Rename the third column as Revenue and the fourth column as Year.

**Answer Area**

>

<

- A. Mastered
- B. Not Mastered

**Answer: A**

### Explanation:

Text Description automatically generated with medium confidence

Step 1: Select Use Header as First Row.

Step 2: Select Department and Product and Unpivot Other Columns

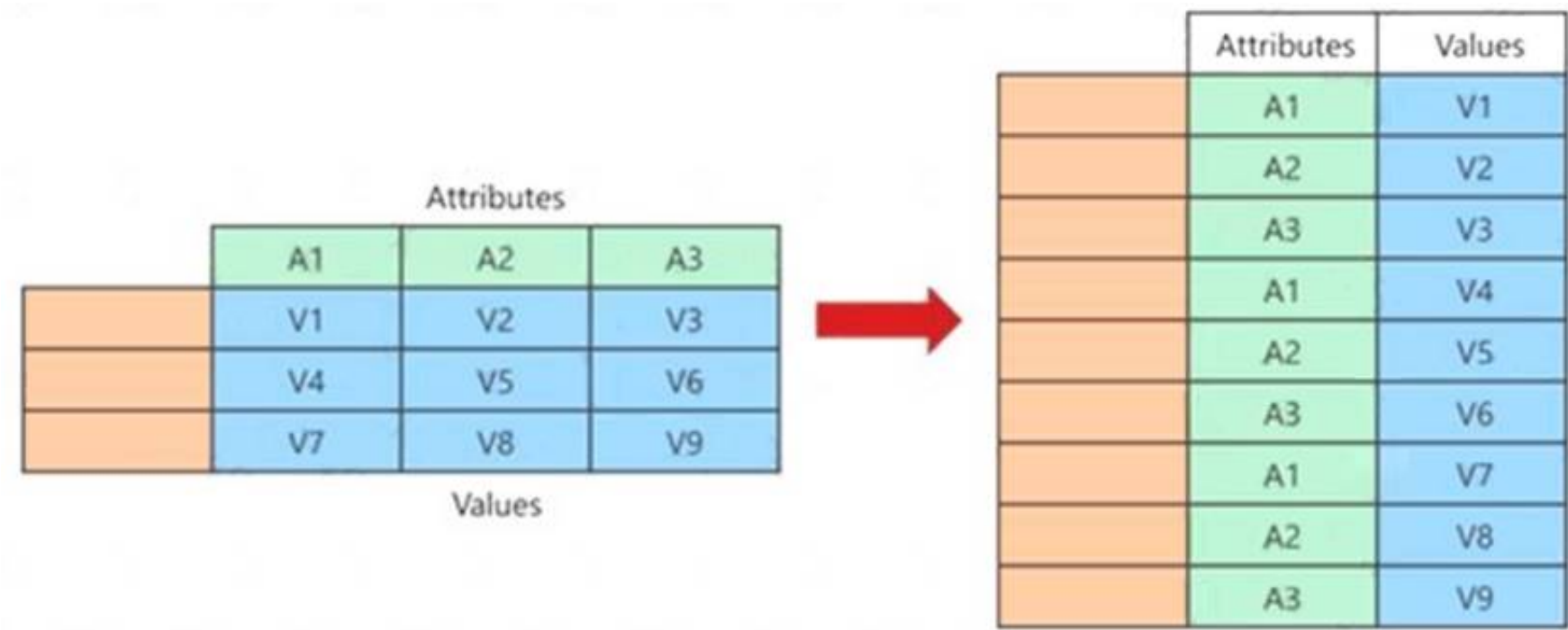
Unpivot Other Columns: This command unpivots unselected columns. Use this command in a query when not all columns are known. New columns added during a refresh operation are also unpivoted.

Step 3: Rename the Attribute column to Year and the Value column to Revenue.

You might want to unpivot data, sometimes called flattening the data, to put it in a matrix format so that all similar values are in one column. This is necessary, for example, to create a chart or a report.

Chart Description automatically generated with medium confidence





When you unpivot, you unpack the attribute-value pairs that represent an intersection point of the new columns and re-orient them into flattened columns: Values (in blue on the left) are unpivoted into a new column (in blue on the right). Attributes (in green on the left) are unpivoted into a new column (in green on the right) and duplicates are correspondingly mapped to the new Values column. Reference: <https://support.microsoft.com/en-us/office/unpivot-columns-power-query-0f7bad4b-9ea1-49c1-9d95-f588221c7>

NEW QUESTION 122

- (Exam Topic 4)  
You have an API that returns more than 100 columns. The following is a sample of column names.

- > client\_notified\_timestamp
- > client\_notified\_source
- > client\_notified\_sourceid
- > client\_notified\_value
- > client\_responded\_timestamp
- > client\_responded\_source
- > client\_responded\_sourceid
- > client\_responded\_value

You plan to include only a subset of the returned columns.  
You need to remove any columns that have a suffix of sourceid.  
How should you complete the Power Query M code? To answer, select the appropriate options in the answer area.  
NOTE: Each correct selection is worth one point.

Answer Area

```
let
    Source = ...,
    rawData = Source{[tableId= "clientData"]}[Data],
    removeSources = 
        Table.CombineColumn(
            Table.FindText(
                Table.FromList(
                    Table.RemoveColumns(
                        (rawData,
                            Table.ColumnNames(rawData),
                            List.Contains(
                                List.Select(
                                    Table.FindText(
                                        Table.FromList(
                                            each (
                                                Text.Contains(
                                                    Text.EndsWith(
                                                        Text.From(
                                                            Text.StartsWith(
                                                                in
                                                                removeSources
                                                                )
                                                            )
                                                        )
                                                    )
                                                )
                                            )
                                        )
                                    )
                                )
                            )
                        )
                    )
                )
            )
        )
    )
```

- A. Mastered
- B. Not Mastered

Answer: A



**Explanation:**

Box 1: Table.RemoveColumns

When you do "Remove Columns" Power Query uses the Table.RemoveColumns function

Box 2: List.Select

Get a list of columns.

Box 3: Text.EndsWith

**NEW QUESTION 125**

- (Exam Topic 4)

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 scenario, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have a clustered bar chart that contains a measure named Salary as the value and a field named Employee as the axis. Salary is present in the data as numerical amount representing US dollars.

You need to create a reference line to show which employees are above the median salary. Solution: You create a constant line and set the value to .5.

Does this meet the goal?

A. Yes

B. No

**Answer: B**

**Explanation:**

Instead create a percentile line by using the Salary measure and set the percentile to 50%.

Note: The 50th percentile is also known as the median or middle value where 50 percent of observations fall below.

ference:

[https://dash-intel.com/powerbi/statistical\\_functions\\_percentile.php](https://dash-intel.com/powerbi/statistical_functions_percentile.php)

**NEW QUESTION 127**

- (Exam Topic 4)

You are building a financial report by using Power BI.

You have a table named financials that contains a column named Date and a column named Sales.

You need to create a measure that calculates the relative change in sales as compared to the previous quarter. How should you complete the measure? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

**Answer Area**

Sales QoQ% =

IF (

ISFILTERED('financials' [Date]),

ERROR("Uh oh."),

VAR PREV\_QUARTER =

CALCULATE

CALCULATETABLE

DATEADD

DIVIDE

FILTER

FIND

SUM('financials' [Sales]),

('financials' [Date].[Date], -1, QUARTER)

CALCULATE

CALCULATETABLE

DATEADD

DIVIDE

FILTER

FIND

)

RETURN

(SUM('financials' [Sales]) - PREV\_QUARTER, PREV\_QUARTER)

CALCULATE

CALCULATETABLE

DATEADD

DIVIDE

FILTER

FIND

)

A. Mastered

B. Not Mastered

**Answer: A**

**Explanation:**

Graphical user interface, text, application Description automatically generated

Box 1: CALCULATE

Box 2: DATEADD

Box 3: DIVIDE  
Example: NET\_SALES QoQ% = IF(  
ISFILTERED('Calendar'[Date]),  
ERROR("Time intelligence quick measures can only be grouped or filtered by the Power BI-provided date hierarchy or primary date column."),  
VAR PREV\_QUARTER =  
CALCULATE(  
SUM('research ra\_qtr\_template'[NET\_SALES]), DATEADD('Calendar'[Date].[Date], -1, QUARTER)  
) RETURN DIVIDE(  
SUM('research ra\_qtr\_template'[NET\_SALES]) - PREV\_QUARTER,  
PREV\_QUARTER  
)  
)  
Reference:  
<https://community.powerbi.com/t5/Desktop/Error-calculating-QOQ-using-quick-measure/m-p/547054>

**NEW QUESTION 129**

- (Exam Topic 4)  
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 scenario, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.  
You have a clustered bar chart that contains a measure named Salary as the value and a field named Employee as the axis. Salary is present in the data as numerical amount representing US dollars.  
You need to create a reference line to show which employees are above the median salary. Solution: You create a percentile line by using the Salary measure and set the percentile to 50%. Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

**Explanation:**  
The 50th percentile is also known as the median or middle value where 50 percent of observations fall below. Reference:  
[https://dash-intel.com/powerbi/statistical\\_functions\\_percentile.php](https://dash-intel.com/powerbi/statistical_functions_percentile.php)

**NEW QUESTION 131**

- (Exam Topic 4)  
You create the following step by using Power Query Editor.  
= Table.ReplaceValue(SalesLT\_Address,"1318","1319",Replacer.ReplaceText,{"AddressLine1"})  
A row has a value of 21318 Lasalle Street in the AddressLine1 column. What will the value be when the step is applied?

- A. 1318
- B. 1319
- C. 21318 Lasalle Street
- D. 21319 Lasalle Street

**Answer:** D

**Explanation:**  
Example:  
Replace the text "ur" with the text "or" in the table.

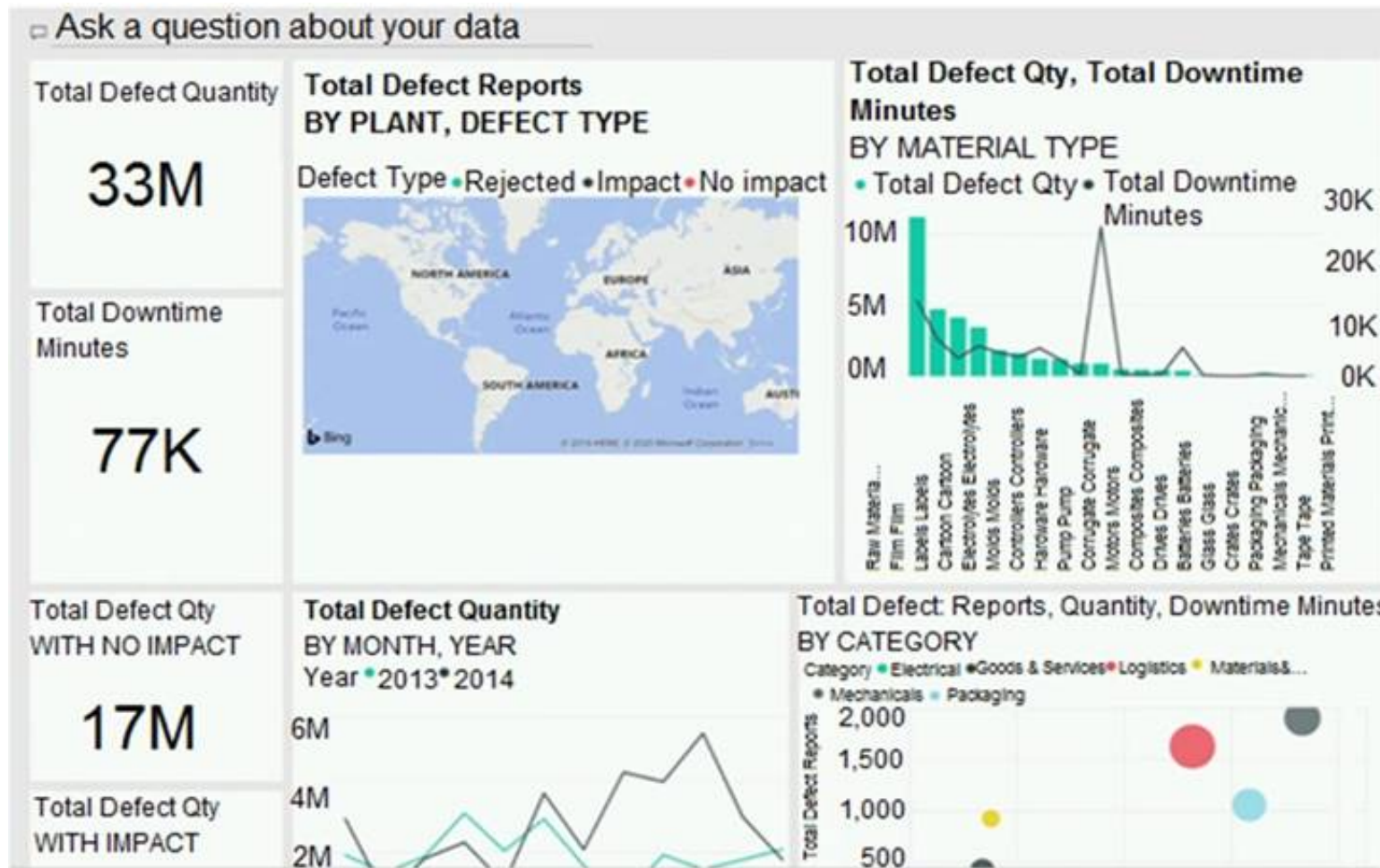
```
Table.ReplaceValue(  
    Table.FromRecords({  
        [a = 1, b = "hello"],  
        [a = 3, b = "world"]  
    }  
),  
    "ur",  
    "or",  
    Replacer.ReplaceText,  
    {"b"}  
)
```

a	b
1	hello
3	world

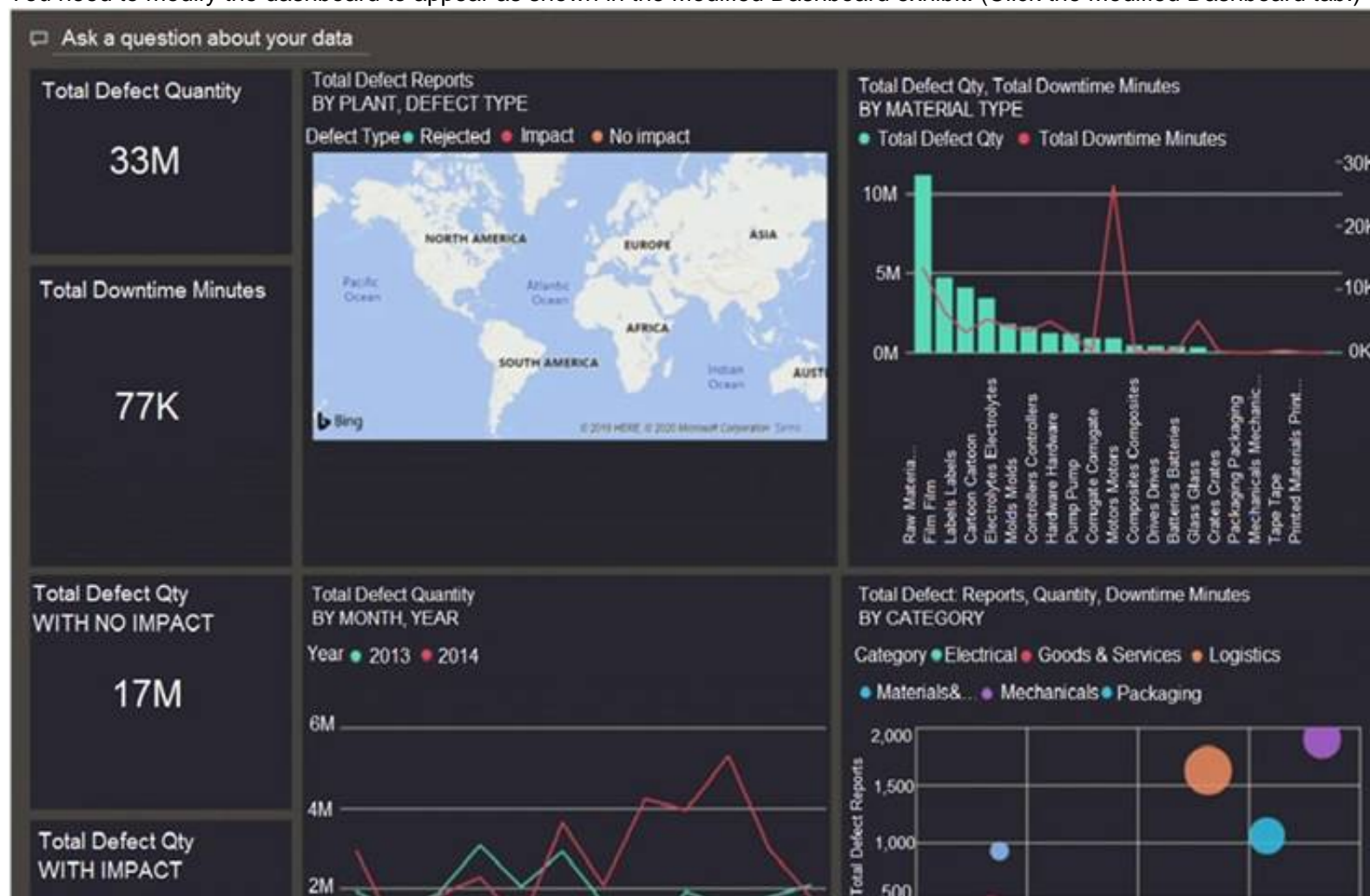
Reference:  
<https://docs.microsoft.com/en-us/powerquery-m/table-replacevalue>

**NEW QUESTION 136**

- (Exam Topic 4)  
You have a dashboard that contains tiles pinned from a single report as shown in the Original Dashboard exhibit. (Click the Original Dashboard tab.)



You need to modify the dashboard to appear as shown in the Modified Dashboard exhibit. (Click the Modified Dashboard tab.)



What should you do?

- A. Edit the details of each tile.
- B. Change the report theme.
- C. Change the dashboard theme.
- D. Create a custom CSS file.

**Answer: C**

**Explanation:**

<https://docs.microsoft.com/en-us/power-bi/create-reports/service-dashboard-themes#how-dashboard-themes-wo>

#### NEW QUESTION 139

- (Exam Topic 4)

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 scenario, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have a clustered bar chart that contains a measure named Salary as the value and a field named Employee as the axis. Salary is present in the data as numerical amount representing US dollars.

You need to create a reference line to show which employees are above the median salary. Solution: You create a median line by using the Salary measure. Does this meet the goal?

- A. Yes



B. No

Answer: A

Explanation:

The 50th percentile is also known as the median or middle value where 50 percent of observations fall below. Reference:  
[https://dash-intel.com/powerbi/statistical\\_functions\\_median.php](https://dash-intel.com/powerbi/statistical_functions_median.php)

NEW QUESTION 142

- (Exam Topic 4)

You need to provide a user with the ability to add members to a workspace. The solution must use the principle of least privilege. Which role should you assign to the user?

- A. Viewer
- B. Contributor
- C. Member
- D. Admin

Answer: C

Explanation:

A Member can add members or others with lower permissions. Note:

Capability	Admin	Member	Contributor	Viewer
Update and delete the workspace.	✓			
Add/remove people, including other admins.	✓			
Allow Contributors to update the app for the workspace	✓			
Add members or others with lower permissions.	✓	✓		

NEW QUESTION 145

- (Exam Topic 4)

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 create a parameter named DataSourceExcel that holds the file name and location of a Microsoft Excel data source.

You need to update the query to reference the parameter instead of multiple hard-coded copies of the location within each query definition.

Solution: You add a Power Apps custom visual to the report. Does this meet the goal?

- A. Yes
- B. No

Answer: A

NEW QUESTION 150

- (Exam Topic 4)

You have a dataset named Pens that contains the following columns:

- > Unit Price
- > Quantity Ordered

You need to create a visualization that shows the relationship between Unit Price and Quantity Ordered. The solution must highlight orders that have a similar unit price and ordered quantity.

Which type of visualization and which feature should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



## Answer Area

Visualization: ▼

A column chart of Quantity Ordered and Unit Price by year
A line chart of Quantity Ordered and Unit Price by item
A scatter plot of Quantity Ordered and Unit Price by item

Feature: ▼

Automatically find clusters
Explain the decrease
Find where the distribution is different

- A. Mastered  
 B. Not Mastered

**Answer:** A

### Explanation:

Box 1: A scatter plot...

A scatter chart always has two value axes to show: one set of numerical data along a horizontal axis and another set of numerical values along a vertical axis. The chart displays points at the intersection of an x and y numerical value, combining these values into single data points. Power BI may distribute these data points evenly or unevenly across the horizontal axis. It depends on the data the chart represents.

Box 2: Automatically find clusters

Scatter charts are a great choice to show patterns in large sets of data, for example by showing linear or non-linear trends, clusters, and outliers.

Reference:

<https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-scatter>

### NEW QUESTION 151

- (Exam Topic 4)

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 are modeling data by using Microsoft Power BI. Part of the data model is a large Microsoft SQL Server table named Order that has more than 100 million records.

During the development process, you need to import a sample of the data from the Order table. Solution: You write a DAX expression that uses the FILTER function.

Does this meet the goal?

- A. Yes  
 B. No

**Answer:** B

### Explanation:

The filter is applied after the data is imported. Instead add a WHERE clause to the SQL statement. Reference:

<https://docs.microsoft.com/en-us/power-bi/connect-data/service-gateway-sql-tutorial>

### NEW QUESTION 155

- (Exam Topic 4)

You publish a report to a workspace named Customer Services. The report identifies customers that have potential data quality issues that must be investigated by the customer services department of your company.

You need to ensure that customer service managers can create task lists in Microsoft Excel based on the data. Which report setting should you configure?

- A. Don't allow end user to save filters on this report.  
 B. Change default visual interaction from cross highlighting to cross filtering.  
 C. Enable the updated filter pane, and show filters in the visual header for this report.  
 D. Allow users to add comments to this report.  
 E. Choose the type of data you allow your end users to export.

**Answer:** E

### Explanation:

<https://powerbi.microsoft.com/en-us/blog/announcing-persistent-filters-in-the-service/>

### NEW QUESTION 156

- (Exam Topic 4)

You are enhancing a Power BI model that has DAX calculations.

You need to create a measure that returns the year-to-date total sales from the same date of the previous calendar year.

Which DAX functions should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

```
Sales PYTD =  
  
VAR startyear =  
  
    STARTOFYEAR ( PREVIOUSYEAR ( 'Date' [Date] ) )  
  
VAR enddate =  
  
    LASTDATE ( Sales[Date] ) - 365  
  
RETURN  
  
    ( Sales[Sales] ),  
    CALCULATE (  
        DATESBETWEEN (  
            SAMEPERIODLASTYEAR (  
                SLIM (  
  
            )  
        )  
    )  
    ( 'Calendar'[Date], startyear, enddate )  
    CALCULATE (  
        DATESBETWEEN (  
            SAMEPERIODLASTYEAR (  
                SLIM (  
  
            )  
        )  
    )  
    )  
    )
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:  
Reference:  
<https://www.kasperonbi.com/get-the-ytd-of-the-same-period-last-year/>

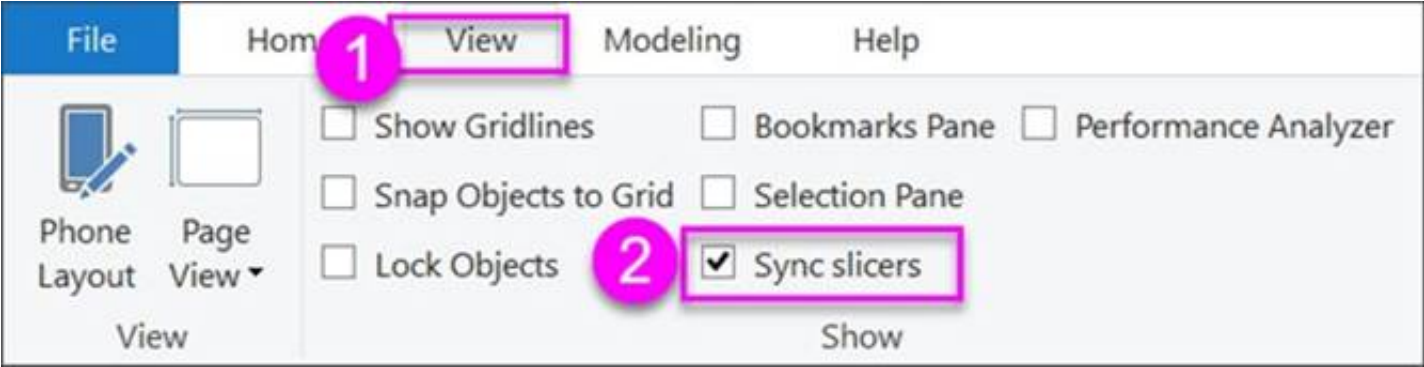
NEW QUESTION 161

- (Exam Topic 4)  
You have a report that contains four pages. Each page contains slicers for the same four fields. Users report that when they select values on a slicer on one page, the visuals are not updated on all the pages. You need to recommend a solution to ensure that users can select a value once to filter the results on all the pages. What are two possible recommendations to achieve this goal? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

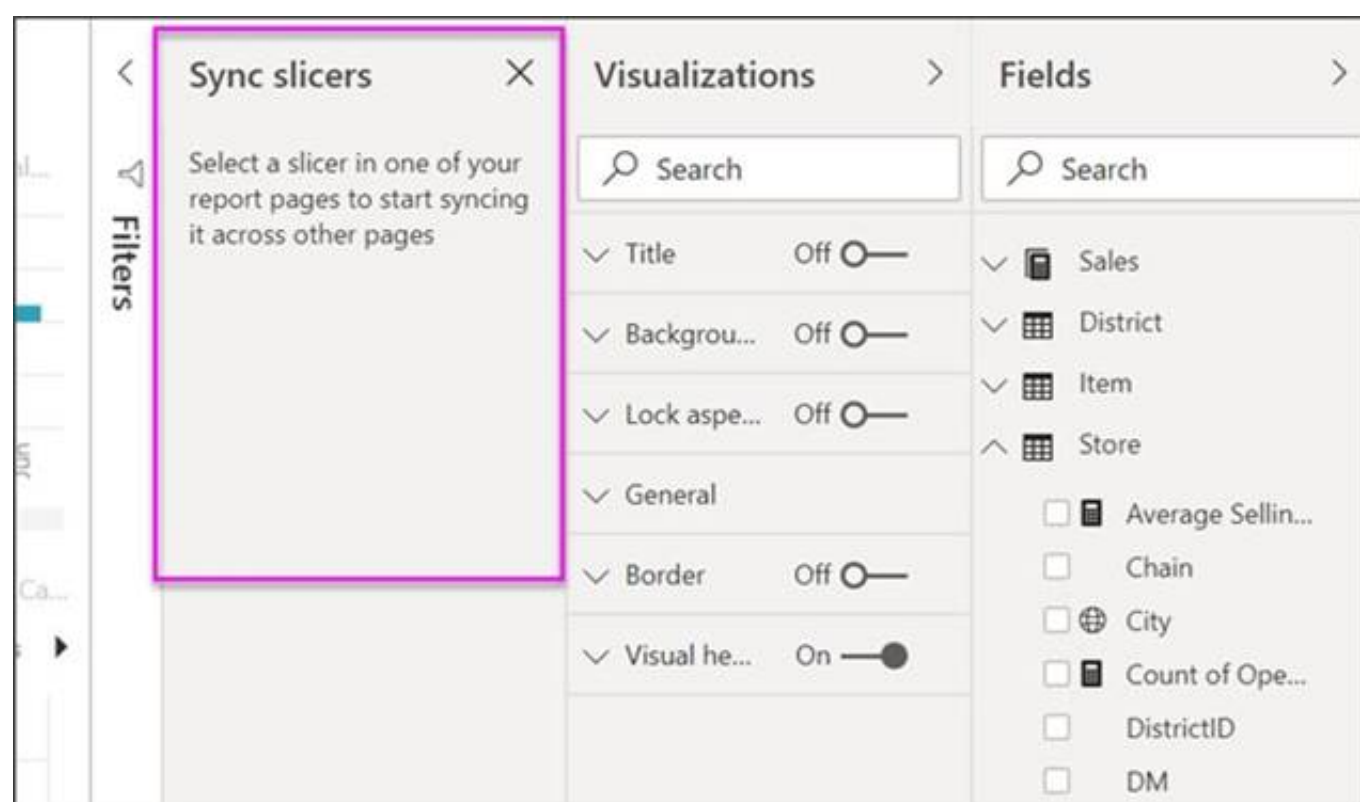
- A. Sync the slicers across the pages.
- B. Replace the slicers with page-level filters.
- C. Replace the slicers with visual-level filters.
- D. Create a bookmark for each slicer value.
- E. Replace the slicers with report-level filters.

Answer: AE

Explanation:  
Add a report-level filter to filter an entire report.  
The visuals on the active page, and on all pages in the report, change to reflect the new filter. You can sync a slicer and use it on any or all pages in a report.  
\* 1. On the Power BI Desktop View menu, select Sync slicers.



The Sync slicers pane appears between the Filters and Visualizations panes.



Reference:

<https://docs.microsoft.com/en-us/power-bi/create-reports/power-bi-report-add-filter> <https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-slicers>

### NEW QUESTION 166

- (Exam Topic 4)

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 create a parameter named DataSourceExcel that holds the file name and location of a Microsoft Excel data source.

You need to update the query to reference the parameter instead of multiple hard-coded copies of the location within each query definition.

Solution: You modify the source step of the queries to use DataSourceExcel as the file path. Does this meet the goal?

- A. Yes
- B. No

**Answer: A**

#### Explanation:

Parameterising a Data Source could be used in many different use cases. From connecting to different data sources defined in Query Parameters to load different combinations of columns.

Reference:

<https://www.biinsight.com/power-bi-desktop-query-parameters-part-1/>

### NEW QUESTION 168

- (Exam Topic 4)

You have a custom connector that returns ID, From, To, Subject, Body, and Has Attachments for every email sent during the past year. More than 10 million records are returned.

You build a report analyzing the internal networks of employees based on whom they send emails to.

You need to prevent report recipients from reading the analyzed emails. The solution must minimize the model size.

What should you do?

- A. Implement row-level security (RLS) so that the report recipients can only see results based on the emails they sent.
- B. Remove the Subject and Body columns during the import.
- C. From Model view, set the Subject and Body columns to Hidden.

**Answer: B**

### NEW QUESTION 169

.....

## Thank You for Trying Our Product

### We offer two products:

1st - We have Practice Tests Software with Actual Exam Questions

2nd - Questions and Answers in PDF Format

### DA-100 Practice Exam Features:

- \* DA-100 Questions and Answers Updated Frequently
- \* DA-100 Practice Questions Verified by Expert Senior Certified Staff
- \* DA-100 Most Realistic Questions that Guarantee you a Pass on Your FirstTry
- \* DA-100 Practice Test Questions in Multiple Choice Formats and Updatesfor 1 Year

**100% Actual & Verified — Instant Download, Please Click**  
**[Order The DA-100 Practice Test Here](#)**