

# Microsoft

## Exam Questions PL-300

Microsoft Power BI Data Analyst



### NEW QUESTION 1

HOTSPOT - (Topic 1)

You need to create a visualization to meet the reporting requirements of the sales managers.

How should you create the visualization? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Visualization type:

Indicator:

Trend axis:

Target goals:

These are the selections for Indicator

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Scenario: The sales managers require a visual to analyze sales performance versus sales targets.

Box 1: KPI

A Key Performance Indicator (KPI) is a visual cue that communicates the amount of progress made toward a measurable goal.

Box 2: Sales[sales\_amount]

Box 3: Date[month]

Time > FiscalMonth. This value will represent the trend. Box 4: Targets[sales\_target]

### NEW QUESTION 2

- (Topic 1)

You need to create relationships to meet the reporting requirements of the customer service department.

What should you create?

- A. an additional date table named ShipDate, a one-to-many relationship from Sales[sales\_date\_id] to Date[date\_id], and a one-to-many relationship from Sales[sales\_ship\_date\_id] to ShipDate[date\_id]
- B. an additional date table named ShipDate, a many-to-many relationship from Sales[sales\_date\_id] to Date[date\_id], and a many-to-many relationship from Sales[sales\_ship\_date\_id] to ShipDate[date\_id]
- C. a one-to-many relationship from Date[date\_id] to Sales[sales\_date\_id] and another one-to-many relationship from Date[date\_id] to Weekly\_Returns[week\_id]
- D. a one-to-many relationship from Sales[sales\_date\_id] to Date[date\_id] and a one-to-many relationship from Sales[sales\_ship\_date\_id] to Date[date\_id]
- E. a one-to-many relationship from Date[date\_id] to Sales[sales\_date\_id] and another one-to-many relationship from Date[date\_id] to Sales[sales\_ship\_date\_id]

**Answer:** A

#### Explanation:

Scenario: The customer service department requires a visual that can be filtered by both sales month and ship month independently.

Reference:

<https://docs.microsoft.com/en-us/power-bi/transform-model/desktop-relationships-understand>

### NEW QUESTION 3

- (Topic 1)

You need to get data from the Microsoft SQL Server tables. What should you use to configure the connection?

- A. import that uses a Microsoft account
- B. DirectQuery that uses the end-user's credentials
- C. DirectQuery that uses a database credential
- D. Import that uses a database credential

**Answer:** B

#### NEW QUESTION 4

- (Topic 1)

You need to create the required relationship for the executive's visual. What should you do before you can create the relationship?

- A. Change the data type of Sales[region\_id] to Whole Number.
- B. In the Sales table, add a measure for sum(sales\_amount).
- C. Change the data type of sales[sales\_id] to Text.
- D. Change the data type of sales [region\_id] to Decimal Number.

**Answer:** A

#### Explanation:

Scenario: Executives require a visual that shows sales by region.

Need to change the sales\_id column from Varchar to Whole Number (Integer).

#### NEW QUESTION 5

- (Topic 2)

You need to ensure that the data is updated to meet the report requirements. The solution must minimize configuration effort.

What should you do?

- A. From each report in powerbi.co
- B. select Refresh visuals
- C. From Power BI Desktop, download the PBIX file and refresh the data.
- D. Configure a scheduled refresh without using an on-premises data gateway.
- E. Configure a scheduled refresh by using an on-premises data gateway

**Answer:** C

#### NEW QUESTION 6

- (Topic 2)

You need to recommend a strategy to consistently define the business unit, department, and product category data and make the data usable across reports.

What should you recommend?

- A. Create a shared dataset for each standardized entity.
- B. Create dataflows for the standardized data and make the dataflows available for use in all imported datasets.
- C. For every report, create and use a single shared dataset that contains the standardized data.
- D. For the three entities, create exports of the data from the Power BI model to Excel and store the data in Microsoft OneDrive for others to use as a source.

**Answer:** B

#### NEW QUESTION 7

- (Topic 2)

You need to create the relationship between the product list and the revenue results. The solution must minimize the time it takes to render visuals.

What should you set as the relationship cardinality?

- A. One to one
- B. Many to one
- C. One to many
- D. Many to many

**Answer:** C

#### NEW QUESTION 8

- (Topic 2)

Which two types of visualizations can be used in the balance sheet reports to meet the reporting goals? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. a line chart that shows balances by quarter filtered to account categories that are long- term liabilities.
- B. a clustered column chart that shows balances by date (x-axis) and account category (legend) without filters.
- C. a clustered column chart that shows balances by quarter filtered to account categories that are long-term liabilities.
- D. a pie chart that shows balances by account category without filters.
- E. a ribbon chart that shows balances by quarter and accounts in the legend.

**Answer:** AE

#### Explanation:

<https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-types-for-reports-and-q-and-a>

#### NEW QUESTION 9

HOTSPOT - (Topic 3)

You need to create the Top Customers report.

Which type of filter should you use, and at which level should you apply the filter? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Filter type:

▼

Top N

Basic

Advanced

Level:

▼

Page

Visual

Report

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Top N

Scenario: 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.

Once you drag to SKU to Visual level filter you should get Top N option Note: The two most common filter types: automatic and manual. Then there are more advanced filters.

Box 2: Visual

Once you drag to SKU to Visual level filter you should get Top N option.

NEW QUESTION 10

HOTSPOT - (Topic 3)

You need to design the data model and the relationships for the Customer Details worksheet and the Orders table by using Power BI. The solution must meet the report requirements.

For each of the following statement, select Yes if the statement is true, Otherwise, select No.

NOTE: Each correct selection is worth one point.

Answer Area

| Statements  | Yes                   | No                    |
|---|-----------------------|-----------------------|
| A relationship must be created between the CustomerID column in the Customer Details worksheet and the CustomerID column in the Orders table. | <input type="radio"/> | <input type="radio"/> |
| The Data Type of the columns in the relationship between the Customer Details worksheet and the Orders table must be set to <b>Text</b> .     | <input type="radio"/> | <input type="radio"/> |
| The Region field used to filter the Top Customers report must come from the Orders table.   | <input type="radio"/> | <input type="radio"/> |

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

| Statements  | Yes                              | No                               |
|---|----------------------------------|----------------------------------|
| A relationship must be created between the CustomerID column in the Customer Details worksheet and the CustomerID column in the Orders table. | <input checked="" type="radio"/> | <input type="radio"/>            |
| The Data Type of the columns in the relationship between the Customer Details worksheet and the Orders table must be set to <b>Text</b> .     | <input type="radio"/>            | <input checked="" type="radio"/> |
| The Region field used to filter the Top Customers report must come from the Orders table.   | <input checked="" type="radio"/> | <input type="radio"/>            |

NEW QUESTION 10

- (Topic 3)

You need to create the On-Time Shipping report. The report must include a visualization that shows the percentage of late orders.

Which type of visualization should you create?

- A. bar chart
- B. scatterplot
- C. pie chart

Answer: A

Explanation:

Scenario: The On-Time Shipping report will show the following metrics for a selected shipping month or quarter:

The percentage of orders that were shipped late by country and shipping region  
Customers that had multiple late shipments during the last quarter

Note: Bar and column charts are some of the most widely used visualization charts in Power BI. They can be used for one or multiple categories. Both these chart types represent data with rectangular bars, where the size of the bar is proportional to the magnitude of data values.

The difference between the two is that if the rectangles are stacked horizontally, it is called a bar chart. If the rectangles are vertically aligned, it is called a column chart.

Reference:

<https://www.pluralsight.com/guides/bar-and-column-charts-in-power-bi>

### NEW QUESTION 13

- (Topic 3)

You need to configure access for the sales department users. The solution must meet the security requirements. What should you do?

- A. Add the sales department as a member of the reports workspace
- B. Add the Azure Active Directory group of the sales department as an Admin of the reports workspace.
- C. Distribute an app to the users in the Azure Active Directory group of the sales department.
- D. Share each report to the Azure Active Directory group of the sales department.

**Answer:** B

### NEW QUESTION 15

FILL IN THE BLANK - (Topic 4)

You have a Power BI report that contains a measure named Total Sales.

You need to create a new measure that will return the sum of Total Sales for a year up to a selected date. 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.

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Answer as selected.

Answer Area



### NEW QUESTION 18

- (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 have five reports and two dashboards in a workspace.

You need to grant all organizational users read access to one dashboard and three reports Solution: In Microsoft Azure Active Directory (Azure AD), part of Microsoft Entra, you create

a group that contains all the users. You share each selected report and the one dashboard to the group.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

### NEW QUESTION 19

- (Topic 4)

What should you do to address the existing environment data concerns?

- A. a calculated column that uses the following formula: ABS(Sales[sales\_amount])
- B. a measure that uses the following formula: SUMX(FILTER('Sales', 'Sales'[sales\_amount] > 0)),[sales\_amount])
- C. a measure that uses the following formula: SUM(Sales[sales\_amount])
- D. a calculated column that uses the following formula: IF(ISBLANK(Sales[sales\_amount]),0, (Sales[sales\_amount]))

**Answer:** B

### NEW QUESTION 20

- (Topic 4)

You are creating a Power BI report by using Power BI Desktop.

You need to include a visual that shows trends and other useful information automatically. The visual must update based on selections in other visuals.

Which type of visual should you use?



- A. key influencers
- B. decomposition tree
- C. Q&A
- D. smart narrative

Answer: D

**NEW QUESTION 25**

DRAG DROP - (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.

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**

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

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

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

**NEW QUESTION 27**

- (Topic 4)

You have a report that contains three pages. One of the pages contains a KPI visualization. You need to filter all the visualizations in the report except for the KPI visualization. Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Add the same slicer to each page and configure Sync slicers.
- B. Edit the interactions of the KPI visualization.
- C. Configure a page-level filter.
- D. Edit the interactions of the slicer that is on the same page as the KPI visualization.
- E. Configure a report-level filter.

**Answer:** AD

**Explanation:**

Slicers are another way of filtering. They narrow the portion of the dataset that is shown in the other report visualizations.

By default, slicers on report pages affect all the other visualizations on that page, including each other. Use visual interactions to exclude some page visualizations from being affected by others.

Reference:

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

**NEW QUESTION 32**

- (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 have a Microsoft Excel workbook that is saved to Microsoft SharePoint Online. The workbook contains several Power View sheets.

You need to recreate the Power View sheets as reports in the Power BI service.

Solution: Copy the workbook to Microsoft OneDrive for Business. From Excel, click Publish to Power BI, and then click Upload

Does this meet the goal?

A. Yes

B. No

**Answer:** B

**NEW QUESTION 34**

- (Topic 4)

You have a Power BI model that contains two tables named Population and Date.

The Population table contains two columns named Population Amount and Date Key.

DateKey contains date values that represent the first day of a year and are used to create a many-to

The Power BI model contains two measures that have the following definitions. Total Population = Sum ('Population'[Population Amount])

2023 Population = CALCULATE ([Total Population]"Date'[Year] = 2023) You create a table visual that displays Date[Year] and [2023 Population]. What will the table visual show?

A. one row per year that contains blank values for every year except 2023

B. one row per date that contains the population value for the corresponding year repeated in each row

C. a single row for the year 2023 that contains the related population value

D. one row per year that contains the same value repeated for each year

**Answer:** C

**NEW QUESTION 35**

- (Topic 4)

You build a Power BI report that displays 10T temperature data streaming from a refrigerator.

You publish the report to the BI service.

You need to be notified when the temperature rises above four degrees Celsius. What should you do?

A. Pin a report page to a dashboard and set an alert on the page.

B. Set an alert on a KPI visual in the report.

C. Pin a card visual to a dashboard and set an alert on the tile.

D. Pin a card visual to a dashboard and create a subscription.

**Answer:** A

**NEW QUESTION 40**

HOTSPOT - (Topic 4)

You are creating an analytics report that will consume data from the tables shown in the following table.

| Table name | Column name     | Data type    |
|------------|-----------------|--------------|
| Sales      | sales_id        | Integer      |
|            | sales_date      | Datetime     |
|            | Customer_id     | Integer      |
|            | sales_amount    | Floating     |
|            | employee_id     | Integer      |
|            | sales_ship_date | Datetime     |
|            | store_id        | Varchar(100) |
| Employee   | employee_id     | Integer      |
|            | first_name      | Varchar(100) |
|            | last_name       | Varchar(100) |
|            | employee_photo  | Binary       |

There is a relationship between the tables.

There are no reporting requirements on employeejd and employee\_photo. You need to optimize the data model

What should you configure for employeejd and employee.photo? To answer, select the appropriate options in the answer area.

**Answer Area**

Employee\_id: Change Type  
Delete  
Hide  
Sort

Employee\_photo: Change Type  
Delete  
Hide  
Sort

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Box 1: Hide

Optimize data by hiding fields and sorting visualization data

Box 2: Delete

The fastest way to optimize your Power BI report is to limit the number of columns to only the ones you need in your data model. Go through your tables in Power Query and determine what fields are being used. Delete these columns if they are not being used in any of your reports or calculations.

#### NEW QUESTION 44

DRAG DROP - (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.

|   | APC Column1                        | APC Column2                        | 123 Column3                        | 123 Column4                        | 123 Column5                        | 123 Column6                        |
|---|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
|   | Valid 100%<br>Error 0%<br>Empty 0% | Valid 100%<br>Error 0%<br>Empty 0% | Valid 100%<br>Error 0%<br>Empty 0% | Valid 100%<br>Error 0%<br>Empty 0% | Valid 100%<br>Error 0%<br>Empty 0% | Valid 100%<br>Error 0%<br>Empty 0% |
| 1 | Department                         | Product                            | 2016                               | 2017                               | 2018                               | 2019                               |
| 2 | Bikes                              | Carbon mountainbike                | 1002815                            | 1006617                            | 1007814                            | 1007239                            |
| 3 | Bikes                              | Aluminium road bike                | 1007024                            | 1001454                            | 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:**

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.

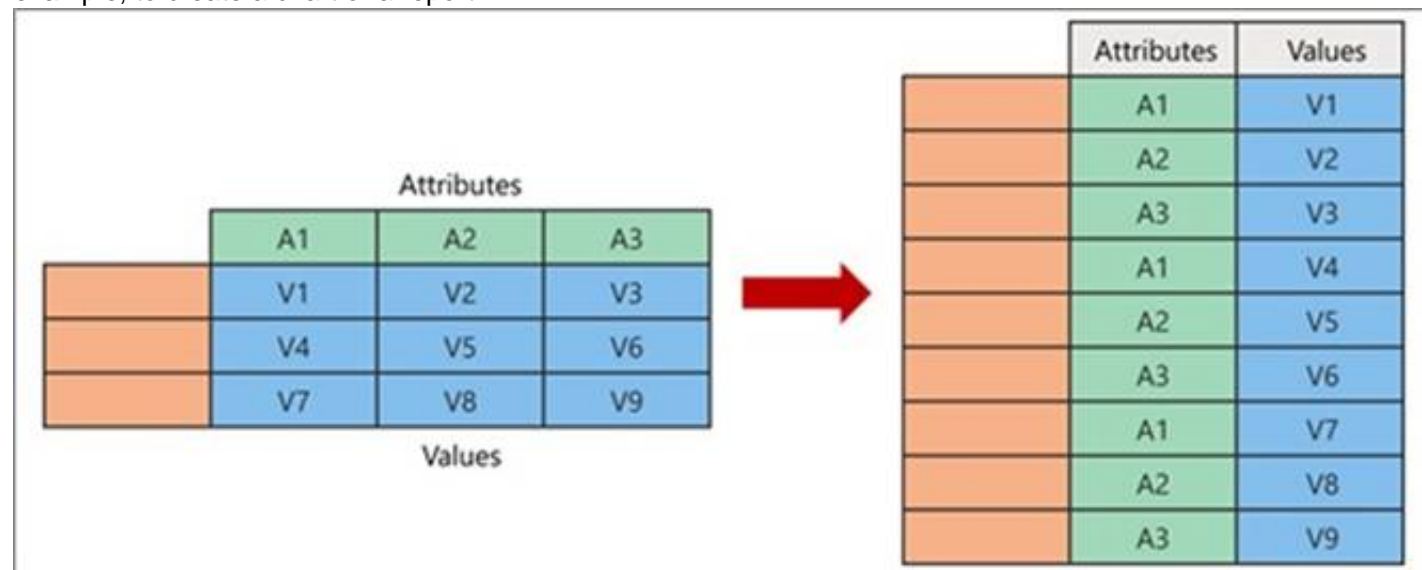


Chart Description automatically generated with medium confidence

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.

**NEW QUESTION 47**

- (Topic 4)

You need to create a visual that compares profit across 10 product categories for a selected quarter.

What is the best visual to use to achieve the goal? More than one answer choice may achieve the goal Select the BEST answer.

- A. an area chart
- B. a clustered bar chart
- C. a line chart
- D. a funnel chart

**Answer:** B

**NEW QUESTION 48**

- (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:** C

**Explanation:**

<https://learn.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-export-data?tabs=powerbi-desktop>

The export functionality can be disabled on several levels. First, Power BI Service admins can disable this functionality on tenant level. With that, nobody will be able to export the data. More about that later. Second, as a dataset owner you can decide if you allow your users to export the data. This is managed in dataset settings, but only changeable in Power BI desktop.

No matter what settings are applied in Power BI desktop, the tenant settings will overrule this. In the end the Power BI Service admin decides what options are possible to use.

<https://data-marc.com/2020/04/13/power-bi-governance-why-you-should-consider-to-disable-export-to-excel/>

**NEW QUESTION 50**

- (Topic 4)

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.

You have a Microsoft SQL Server database that contains the following tables.

| Table name      | Column name     | Data type    |
|-----------------|-----------------|--------------|
| Order           | Order_ID        | Integer      |
|                 | Order_date      | Integer      |
|                 | Order_amount    | Currency     |
|                 | Customer_ID     | Integer      |
|                 | Order_ship_date | Integer      |
|                 | Store_ID        | Integer      |
| Customer        | Customer_ID     | Integer      |
|                 | First_name      | Varchar(100) |
|                 | Last_name       | Varchar(100) |
|                 | Customer_photo  | Binary       |
| Date            | Date_ID         | Integer      |
|                 | Date_name       | Datetime     |
|                 | Month           | Integer      |
|                 | Week            | Integer      |
|                 | Year            | Integer      |
| Monthly_returns | Month_ID        | Integer      |
|                 | Total_returns   | Float        |
|                 | Store_ID        | Varchar(100) |
| Store           | Store_ID        | Integer      |
|                 | Name            | Varchar(100) |
|                 | City            | Varchar(100) |
|                 | Sales_target    | Float        |

The following columns contain date information:

- Date[Month] in the mmyyyy format
  - Date[Date\_ID] in the ddmmyyyy format
  - Date[Date\_name] in the mm/dd/yyyy format
  - Monthly\_returns[Month\_ID] in the mmyyyy format
- The Order table contains more than one million rows.

The Store table has a relationship to the Monthly\_returns table on the Store\_ID column. This is the only relationship between the tables.

You plan to use Power BI Desktop to create an analytics solution for the data.

You need to create a relationship between the Order table and the Store table on the Store\_ID column.

What should you do before you create the relationship?

- A. In the Order table query, use the Table.TransformRows function.
- B. In the Store table query, use the Table.TransformRows function.
- C. In the Store table query, use the Table.TransformColumnTypes function.
- D. In the Order table query, use the Table.TransformColumnTypes function.

**Answer: C**

#### NEW QUESTION 54

- (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 55

- (Topic 4)

You have an Azure SQL database that contains sales transactions. The database is updated frequently.

You need to generate reports from the data to detect fraudulent transactions. The data must be visible within five minutes of an update.

How should you configure the data connection?

- A. Add a SQL statement.
- B. Set Data Connectivity mode to DirectQuery.
- C. Set the Command timeout in minutes setting.
- D. Set Data Connectivity mode to Import.

**Answer: B**

#### Explanation:

With Power BI Desktop, when you connect to your data source, it's always possible to

import a copy of the data into the Power BI Desktop. For some data sources, an alternative approach is available: connect directly to the data source using DirectQuery.  
DirectQuery: No data is imported or copied into Power BI Desktop. For relational sources, the selected tables and columns appear in the Fields list. For multi-dimensional sources like SAP Business Warehouse, the dimensions and measures of the selected cube appear in the Fields list. As you create or interact with a visualization, Power BI Desktop queries the underlying data source, so you're always viewing current data.  
Reference:  
<https://docs.microsoft.com/en-us/power-bi/connect-data/desktop-use-directquery>

**NEW QUESTION 60**

HOTSPOT - (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.)

### Combine Files

Specify the settings for each file. [Learn more](#)

Sample File:  

First file

File Origin

1252: Western European (Windows)

Delimiter

Comma

Data Type Detection

Based on entire dataset

| ID | Date                | CustomerID | Amount |
|----|---------------------|------------|--------|
| 1  | 01/01/2018 08:00:00 | 5          | 28.99  |
| 2  | 01/01/2018 18:00:00 | 10         | 31.88  |
| 3  | 02/01/2018 08:00:00 | 15         | 22.99  |
| 4  | 02/01/2018 18:00:00 | 25         | 14.25  |
| 5  | 03/01/2018 08:00:00 | 35         | 85     |
| 6  | 03/01/2018 18:00:00 | 45         | 47.74  |
| 7  | 04/01/2018 08:00:00 | 55         | 76.66  |
| 8  | 04/01/2018 18:00:00 | 51         | 99.99  |
| 9  | 05/01/2018 08:00:00 | 52         | 10.99  |
| 10 | 05/01/2018 18:00:00 | 58         | 85     |

☒ Skip files with errors

OK

Cancel

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 hoods, 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 61**

HOTSPOT - (Topic 4)  
You are creating a column chart visualization.  
You configure groups as shown in the Groups exhibit. {Click the Groups tab.)

Groups

Name

Sepal.Width (bins)

Field

Sepal.Width

Group type

Bin

Min value

2

Bin Type

Number of bins

Max value

4.4

Bin count

10

Bin size

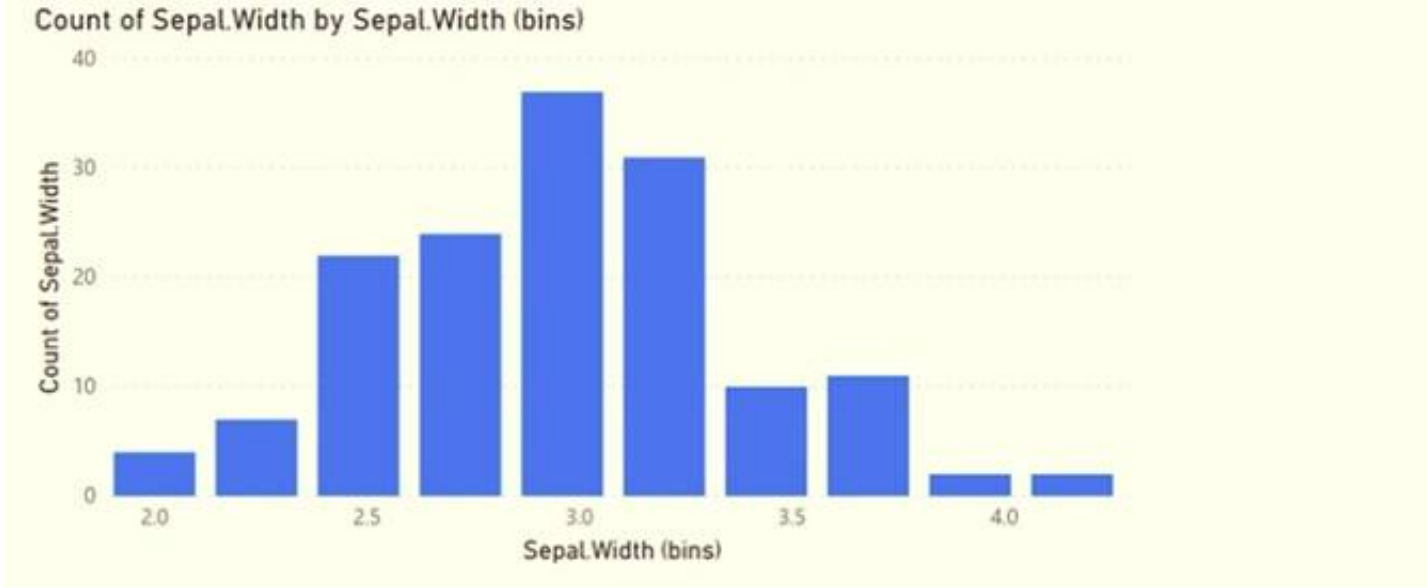
0.24000000000000005

Reset to default

OK

Cancel

The visualization appears as shown in the Chart exhibit. (Click the Chart 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

The data is segmented into 10 groups.

The data was split into deciles.

To increase the bin size, you must decrease the bin count.

Yes

No

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements

The data is segmented into 10 groups.

The data was split into deciles.

To increase the bin size, you must decrease the bin count.

Yes

No

NEW QUESTION 63

- (Topic 4)  
You have a Power BI model that contains the following data.



| Table name | Column name | Description    | Data type      |
|------------|-------------|----------------|----------------|
| Date       | Date        | Calendar date  | Date           |
|            | Month       | Calendar month | Text           |
|            | Year        | Calendar year  | Integer        |
| Sales      | Sale        | Sales value    | Decimal number |
|            | Date        | Calendar date  | Date           |

The Date table relates to the Sales table by using the Date columns. The model contains the following DAX measure.

Total Sales = SUM(Sales[Sale])

You need to create another measure named Previous Quarter to display the sales one quarter before the selected period.

Which DAX calculation should you use?

- A. CALCULATE < [Total Sales], OATEADD (Date[Date], -1, QUARTER))
- B. CALCULATE ([Total Sales], DATESQTD (Date[Date]))
- C. TOTALQTD ([Total Sales], Date[Date])
- D. CALCULATE < [Total Sales], PARALLELPERIOO (Date[Date], 1, QUARTER))

**Answer: A**

### NEW QUESTION 67

- (Topic 4)

You have a Power BI workspace named Inventory that contains a dataset a report and a dashboard.

You need to add an additional tile to the dashboard. The tile must show inventory by location. This information is NOT visualized in the report. The solution must minimize the impact on the report.

Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

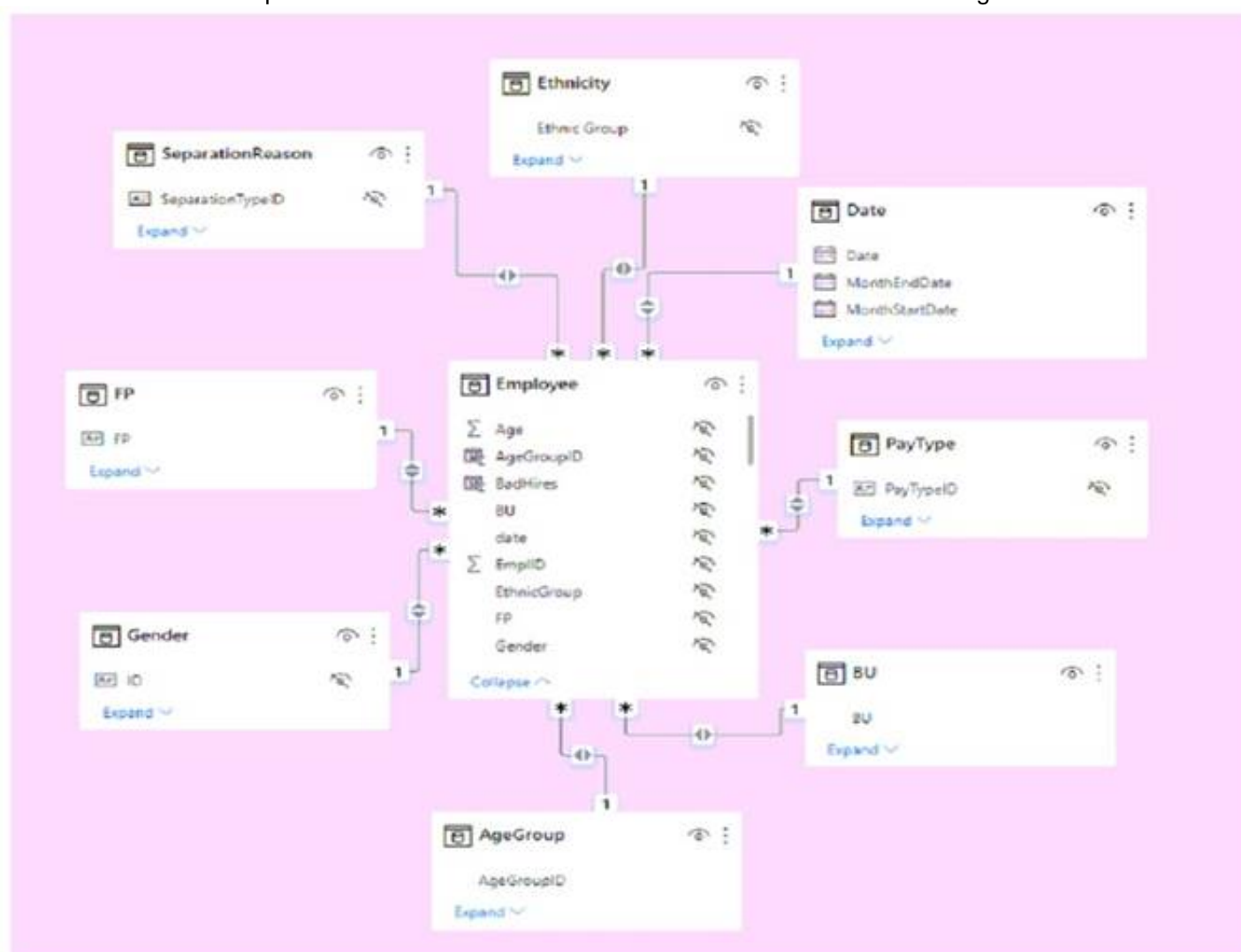
- A. Use quick insights on the dashboard.
- B. Hide the report page.
- C. Ask a question by using Q&A.
- D. Add the visual to the report.
- E. Pin the visual to the dashboard.

**Answer: CE**

### NEW QUESTION 68

HOTSPOT - (Topic 4)

You have a Power BI imported dataset that contains the data model 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.

Answer Area

Changing the [answer choke] setting of the relationships will improve report query performance.

▼

Cardinality

Cross filter direction

Assume Referential Integrity

The data model is organized into a [answer choice].

▼

star schema

snowflake schema

denormalized table

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- cross filter direction
- star schema

NEW QUESTION 73

HOTSPOT - (Topic 4)

You have a Power BI report that contains the table visual shown in the following exhibit.

| OrderDate | Total Sales | Total Cost |
|-----------|-------------|------------|
| 01-Oct-22 | 10.75       | 8.06       |
| 03-Oct-22 | 98.50       | 73.88      |
| 07-Oct-22 | 43.00       | 32.25      |
| 11-Oct-22 | 25.99       | 19.49      |
| 12-Oct-22 | 156.00      | 117.00     |
| 15-Oct-22 | 40.80       | 30.60      |

Answer Area

Type:

▼

Matrix

Multi-row card

Table

Format:

▼

Set Rows subtotals to Off.

Set Stepped layout to Off.

Set Switch values to rows to On.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Type:

▼

Matrix

Multi-row card

Table

Format:

▼

Set Rows subtotals to Off.

Set Stepped layout to Off.

Set Switch values to rows to On.

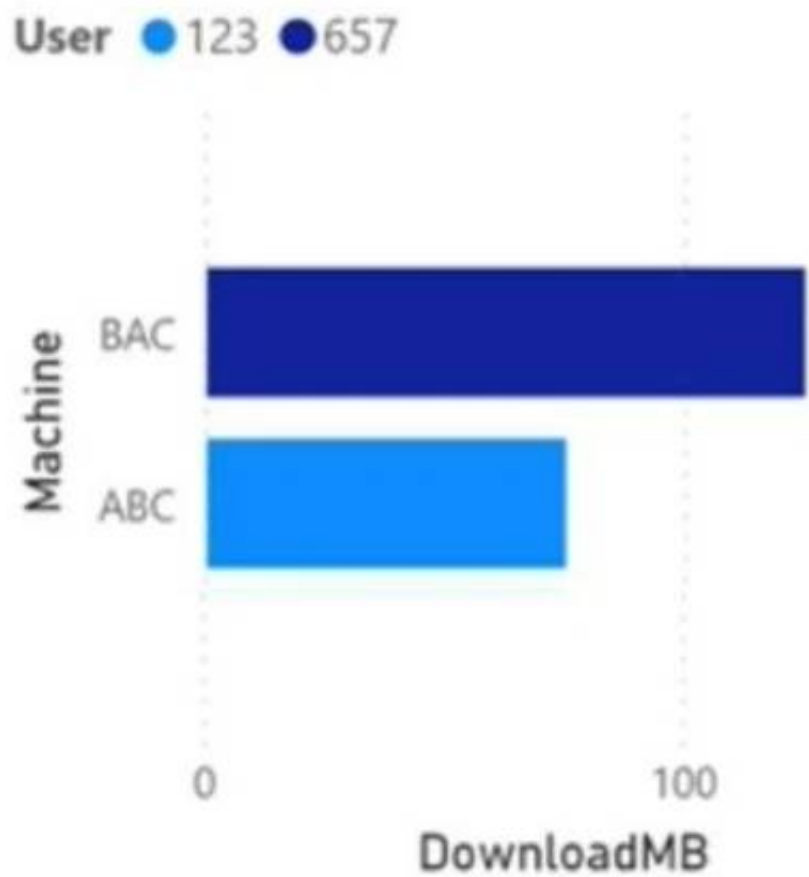
NEW QUESTION 74

- (Topic 4)

You are building a data model for a Power BI report. You have data formatted as shown in the following table.

| Machine-User | DownloadMB |
|--------------|------------|
| ABC-123      | 75         |
| BAC-657      | 125        |

You need to create a clustered bar chart as shown in the following exhibit.



What should you do?

- A. From Power Query Editor, split the Machine-User column by using a delimiter.
- B. In a DAX function, create two calculated columns named Machine and User by using the substitute function.
- C. From Power Query Editor, create a column that contains the last three digits of the Machine-User column.
- D. in a DAX function, create two measures named Machine and User by using the substitute function.

**Answer:** A

**NEW QUESTION 77**

- (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 80**

- (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 .pbiviz 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 84**

HOTSPOT - (Topic 4)

Your company has affiliates who help the company acquire customers.

You build a report for the affiliate managers at the company to assist them in understanding affiliate performance.

The managers request a visual showing the total sales value of the latest 50 transactions for each affiliate. You have a data model that contains the following tables.

| Table name   | Column name     |
|--------------|-----------------|
| Transactions | TransactionDate |
|              | ItemsOrdered    |
|              | Amount          |
|              | TransactionID   |
| Affiliate    | AffiliateID     |
|              | Name            |

You need to develop a measure to support the visual.

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.

Revenue Last 50 Transactions =

▼

CALCULATE  
CONCATENATEX  
SUM  
SUMX  
TOPN

▼

CALCULATE  
CONCATENATEX  
SUM  
SUMX  
TOPN

▼

CALCULATE  
CONCATENATEX  
SUM  
SUMX  
TOPN

▼

TransactionID]  
[Amount],  
[ItemsOrdered],  
[TransactionDate],

(Transactions[Amount]),

(50, Transactions, Transactions

DESC)

)

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Box 1: CALCULATE

Start with CALCULATE and use a SUMX.

CALCULATE evaluates an expression in a modified filter context.

Box 2: SUM

Box 3: TOPN

TOPN returns the top N rows of the specified table.

Box 4: [TransactionDate]

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

The orderBy\_expression: Any DAX expression where the result value is used to sort the table and it is evaluated for each row of table.

**NEW QUESTION 89**

- (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-groups/>

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



#### NEW QUESTION 94

- (Topic 4)

You have a Power BI tenant.

You have reports that use financial datasets and are exported as PDF files. You need to ensure that the reports are encrypted.

What should you implement?

- A. dataset certifications
- B. row-level security (RLS)
- C. sensitivity labels
- D. Microsoft Intune policies

**Answer: C**

#### Explanation:

General availability of sensitivity labels in Power BI.

Microsoft Information Protection sensitivity labels provide a simple way for your users to classify critical content in Power BI without compromising productivity or the ability to collaborate. Sensitivity labels can be applied on datasets, reports, dashboards, and dataflows. When data is exported from Power BI to Excel, PowerPoint or PDF files, Power BI automatically applies a sensitivity label on the exported file and protects it according to the label's file encryption settings. This way your sensitive data remains protected no matter where it is.

Reference:

<https://powerbi.microsoft.com/en-us/blog/announcing-power-bi-data-protection-ga-and-introducing-new-capabilities/>

#### NEW QUESTION 97

- (Topic 4)

You have a Power BI report for the marketing department. The report reports on web traffic to a blog and contains data from the following tables.

| Table name | Source        | Description   | Column name   |
|------------|---------------|---|---|
| Posts      | Blog RSS feed | An XML representation of all the blog posts from your company's website | <ul style="list-style-type: none"> <li>Publish Date</li> <li>URL</li> <li>Title</li> <li>Full Text</li> <li>Summary</li> </ul>                    |
| Traffic    | Website logs  | Activity data from your company's entire website                        | <ul style="list-style-type: none"> <li>DateTime</li> <li>URL Visited</li> <li>IP Address</li> <li>Browser Agent</li> <li>Referring URL</li> </ul> |

There is a one-to-many relationship from Posts to Traffic that uses the URL and URL Visited columns. The report contains the visuals shown in the following table.

| Name  | Used field                                | Filter  |
|---|---|---|
| Top 10 blog posts of all time                     | Posts[Title]<br>Traffic[DateTime]         | None  |
| Top 10 blog posts from the last seven days        | Posts[Title]<br>Traffic[DateTime]         | Traffic[DateTime] is in the last 7 days   |
| Blog visits over time                             | Traffic[DateTime]<br>Traffic[URL Visited] | Traffic[URL Visited] contains "blog"  |
| Blog visits over time                             | Traffic[DateTime]<br>Traffic[URL Visited] | Traffic[URL Visited] contains "blog"  |
| Top 10 external referrals to the blog of all time | Traffic[Referring URL]                    | Traffic[URL Visited] contains "blog"<br>AND<br>Traffic[Referring URL] does not start with "/" |

The dataset takes a long time to refresh.

You need to modify Posts and Traffic queries to reduce load times.

Which two actions will reduce the load times? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Remove the rows in Traffic in which Traffic [Referring URL] does not start with "/"
- B. Remove the rows in Posts in which Post [Publish Date] is in the last seven days.
- C. Remove Traffic [IP Address], Traffic [Browser Agent], and Traffic [Referring URL].
- D. Remove Posts [Full Text] and Posts [Summary].
- E. Remove the rows in Traffic in which Traffic [URL visited] does not contain "blog"

**Answer: DE**

**NEW QUESTION 99**

DRAG DROP - (Topic 4)

You have a Microsoft Excel workbook that contains two tables.

From Power BI, you create a dashboard that displays data from the tables. You update the tables each day.

You need to ensure that the virtualizations in the dashboard are updated daily.

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

**Actions**

For each dataset, modify the Schedule Refresh settings.

Download and install an on-premises data gateway (personal).

For each dataset, modify the Gateway Connection settings.

Add subscriptions for the reports.

Download and install Power BI Desktop.

**Answer Area**

➤

➤

⬆

⬆

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

References: <https://docs.microsoft.com/en-us/power-bi/refresh-scheduled-refresh>

**NEW QUESTION 102**

- (Topic 4)

You have an app workspace that contains a dashboard and four reports. All the reports are generated from a single dataset that contains sales data for your company.

The reports display the data configured as shown in the following table.

| Report name | Data displayed                                  | Data characteristic  |
|-------------|---|--|
| Sales Data1 | Sales from the start of 2013 to the end of 2015 | The company was owned by another company named Contoso, Ltd. from 2013 to 2015 |
| Sales Data2 | Sales from the start of 2011 to the end of 2016 | The company changed the line of products sold frequently from 2011 to 2016     |
| Sales Data3 | Sales from the start of 2016 to the end of 2017 | The company hired new management that started in 2016                          |
| Sales Data4 | Sales from the start of 2011 to the end of 2014 | The company was being sued by a competitor from 2011 to 2014                   |

You need to ensure that the users of the reports can locate the correct report by using natural language queries. What should you do?

- A. From the properties of the dataset, create four Featured Q&A Questions.
- B. From the Format settings of the reports, modify the Page Information.
- C. From the properties of the dataset, modify the Q&A and Cortana settings.
- D. From the properties of the workspace, modify the Language Settings.

**Answer:** C

**Explanation:**

References: <https://docs.microsoft.com/en-us/power-bi/service-q-and-a-direct-query#limitations-during-public-preview>

**NEW QUESTION 106**

- (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 111**

FILL IN THE BLANK - (Topic 4)  
You have a Power 31 data model that contains a table named Stores. The table has the following columns:  
\* Store Name  
\* Open Date  
\* Status  
\* State  
\* City  
You need to create a calculated column named Active Store Name that meets the following requirements:

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**  
Answer is as below

Active Store Name = IF ([Status] = "A", [Store Name], "Inactive - " & [Store Name])

**NEW QUESTION 116**

DRAG DROP - (Topic 4)  
In Power Query Editor, you have three queries named ProductCategory, ProductSubCategory, and Product.  
Every Product has a ProductSubCategory.  
Not every ProductsubCategory has a parent ProductCategory.  
You need to merge the three queries into a single query. The solution must ensure the best performance in Power Query.  
How should you merge the tables? To answer, drag the appropriate merge types to the correct queries. Each merge type 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.

Join kinds

Full outer

Inner

Left anti

Left outer

Right anti

Right outer

Answer Area

| Left Table         | Right Table        | Join Kind |
|--------------------|--------------------|-----------|
| Product            | ProductSubCategory | Join kind |
| ProductSubCategory | ProductCategory    | Join kind |

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**



Join kinds

Full outer

Inner

Left anti

Left outer

Right anti

Right outer

Answer Area

| Left Table         | Right Table        | Join Kind  |
|--------------------|--------------------|------------|
| Product            | ProductSubCategory | Inner      |
| ProductSubCategory | ProductCategory    | Left outer |

**NEW QUESTION 119**  
HOTSPOT - (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.

Top 100 Customers =

100,

ASC

DESC

FILTER

SUMMARIZE

TOPN

(FactTransaction,

FactTransaction[Customer ID],

"Sales",

SUM(FactTransaction[Sale])),

[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>]]...])

**NEW QUESTION 121**  
- (Topic 4)  
You have a Power BI workspace that contains several reports.  
You need to provide a user with the ability to create a dashboard that will use the visuals from the reports.  
What should you do?

- A. Grant the Read permission for the datasets to the user.
- B. Add the user as a Viewer of the workspace.



- C. Share the reports with the user.
- D. Create a row-level security (RLS) role and add the user to the role.
- E. Add the user as a member of the workspace.

**Answer:** B

**NEW QUESTION 123**

DRAG DROP - (Topic 4)

You are modeling data in table named SalesDetail by using Microsoft Power BI.  
You need to provide end users with access to the summary statistics about the SalesDetail data. The users require insights on the completeness of the data and the value distributions.  
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

Specify the following query, then close and apply.  
-Table.Distinct("#SalesDetail")

Create a visual for the query table.

Create a parameter that uses a query for the suggested values.

Create a query that uses Common Data Service as a data source.

Specify the following query, then close and apply.  
-Table.Profile("#SalesDetail")

Create a blank query as a data source.

Answer Area

⏪

⏩

⏴

⏵

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Actions

Specify the following query, then close and apply.  
-Table.Distinct("#SalesDetail")

Create a visual for the query table.

Create a parameter that uses a query for the suggested values.

Create a query that uses Common Data Service as a data source.

Specify the following query, then close and apply.  
-Table.Profile("#SalesDetail")

Create a blank query as a data source.

Answer Area

⏪

⏩

⏴

⏵

Create a blank query as a data source.

Specify the following query, then close and apply.  
-Table.Profile("#SalesDetail")

Create a visual for the query table.

**NEW QUESTION 128**

- (Topic 4)

In Power BI Desktop, you are building a sales report that contains two tables. Both tables have row-level security (RLS) configured.  
You need to create a relationship between the tables. The solution must ensure that bidirectional cross-filtering honors the RLS settings.  
What should you do?

- A. Create an active relationship between the tables and select Assume referential integrity.
- B. Create an inactive relationship between the tables and select Assume referential integrity.
- C. Create an inactive relationship between the tables and select Apply security filter in both directions.
- D. Create an active relationship between the tables and select Apply security filter in both directions.

**Answer:** D

**Explanation:**

By default, row-level security filtering uses single-directional filters, whether the relationships are set to single direction or bi-directional. You can manually enable bi- directional cross-filtering with row-level security by selecting the relationship and checking the Apply security filter in both directions checkbox. Select this option when you've also implemented dynamic row-level security at the server level, where row-level security is based on username or login ID.

Cardinality

Many to one (\*:1)

Cross filter direction

Both

☒ Make this relationship active

☐ Assume referential integrity

☒ Apply security filter in both directions

OK

Cancel

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

NEW QUESTION 129

- (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:

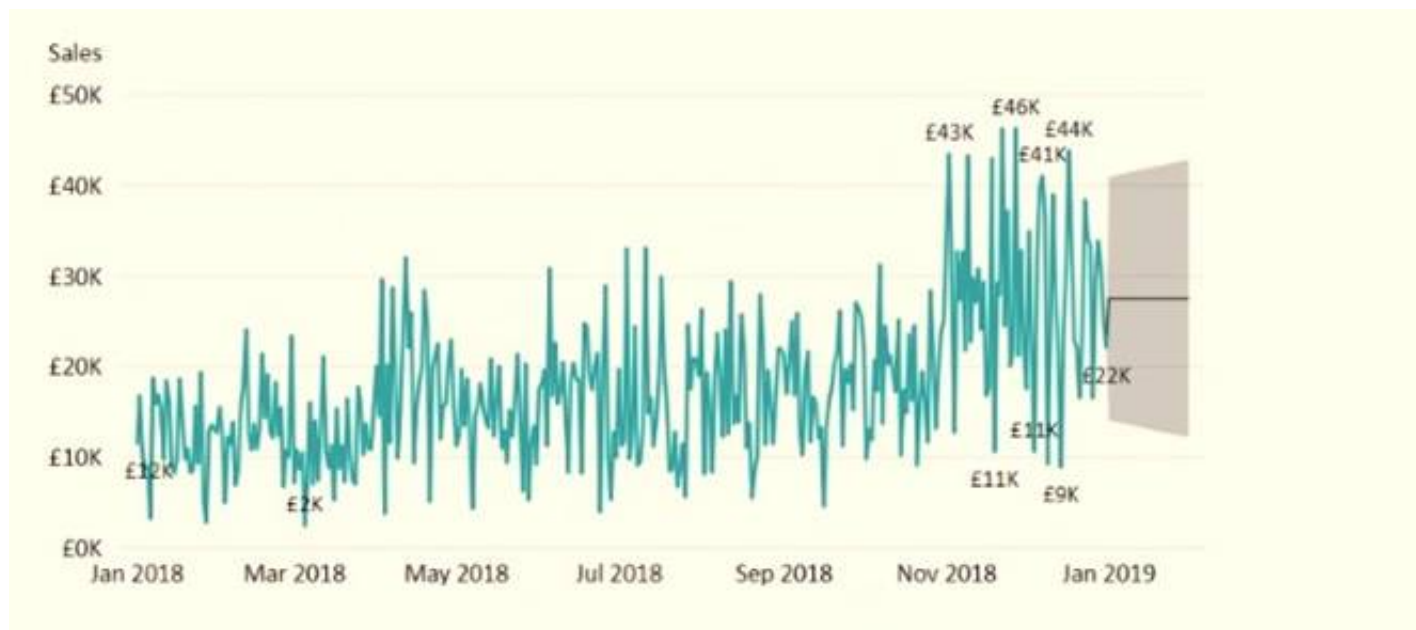
| Capability   | Admin | Member | Contributor | Viewer |
|--|-------|--------|-------------|--------|
| Update and delete the workspace.                       | ✓     |        |             |        |
| Add/remove people, including other admins.             | ✓     |        |             |        |
|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

NEW QUESTION 133

- (Topic 4)  
You have the visual shown in the Original exhibit. (Click the Original tab.)



You need to configure the visual as shown in the Modified exhibit. (Click the Modified tab.)



What should you add to the visual?

- A. a measure
- B. a trendline
- C. a forecast
- D. an Average line

**Answer: C**

**Explanation:**

Explore forecast results by adjusting the desired confidence interval or by adjusting outlier data to see how they affect results.



Timeline Description automatically generated with low confidence

Reference:

<https://powerbi.microsoft.com/fr-fr/blog/introducing-new-forecasting-capabilities-in-power-view-for-office-365/>

**NEW QUESTION 136**

- (Topic 4)

For the sales department at your company, you publish a Power BI report that imports data from a Microsoft Excel We located in a Microsoft SharePoint folder The data model contains several measures You need to create a Power BI report from the existing data. The solution must minimize development effort. Which type of data source should you use?

- A. a SharePoint folder
- B. Power BI dataflows
- C. an Excel workbook
- D. Power BI dataset

**Answer: A**

**Explanation:**

case states there is already a report published and the datamodel contains measures. therefore and to be able to use the measures in the datamodel you should connect to the existing dataset (which was created when you published the report) instead of starting from scratch with the files in the SharePoint folder.

**NEW QUESTION 140**

- (Topic 4)

You have a Microsoft Power BI dashboard. The report used to create the dashboard uses an imported dataset from a Microsoft SQL Server data source. The dashboard is shown in the exhibit. (Click the Exhibit tab.)





What occurred at 12:03:06 PM?

- A. A user pressed F5
- B. A new transaction was added to the data source.
- C. A user added a comment to a tile.
- D. The dashboard tile cache refreshed.

Answer: A

Explanation:

Reference:  
<https://docs.microsoft.com/en-us/power-bi/connect-data/refresh-data>

NEW QUESTION 141

FILL IN THE BLANK - (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.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer as below



Answer Area

Late Orders Percent =

VAR OrderCount =

COUNTROWS ( 'Orders' )

VAR LateOrders =

CALCULATE

COUNTROWS ( 'Orders' ),

FILTER

( Orders,

Orders[ShippedDate] > Orders[RequiredDate]

)

NEW QUESTION 143

DRAG DROP - (Topic 4)

You are using existing reports to build a dashboard that will be viewed frequently in portrait mode on mobile phones. You need to build the dashboard.

Which four 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

Pin items from the reports to the dashboard.

Rearrange, resize, or remove items from the phone view.

Change the dashboard view to Phone view.

Open the dashboard.

Create a phone layout for the existing reports.

Answer Area

⬅️

➡️

⬆️

⬆️

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

Pin items from the reports to the dashboard.

Rearrange, resize, or remove items from the phone view.

Change the dashboard view to Phone view.

Open the dashboard.

Create a phone layout for the existing reports.

Answer Area

Pin items from the reports to the dashboard.

Open the dashboard.

Change the dashboard view to Phone view.

Rearrange, resize, or remove items from the phone view.

⬅️

➡️

⬆️

⬆️

NEW QUESTION 144

- (Topic 4)

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

- A. a calculated column that uses the following formula: `IF( ISBLANK(Sales[sales_amount]),0, (Sales[sales_amount]))`
- B. a measure that uses the following formula: `SUM(Sales[sales_amount])`
- C. a measure that uses the following formula: `SUMX(FILTER('Sales', 'Sales'[sales_amount] > 0)),[sales_amount])`
- D. a calculated column that uses the following formula: `ABS(Sales[sales_amount])`

- A. Option A  
B. Option B  
C. option C  
D. Option D

**Answer: C**

#### NEW QUESTION 147

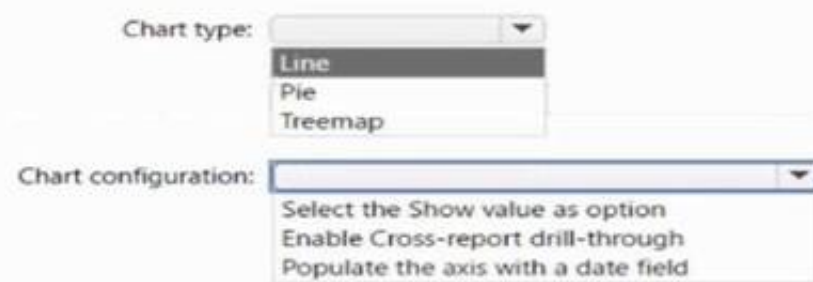
HOTSPOT - (Topic 4)

You have a dataset that contains revenue data from the past year.

You need to use anomaly detection in Power BI to show anomalies in the dataset.

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

**Answer Area**

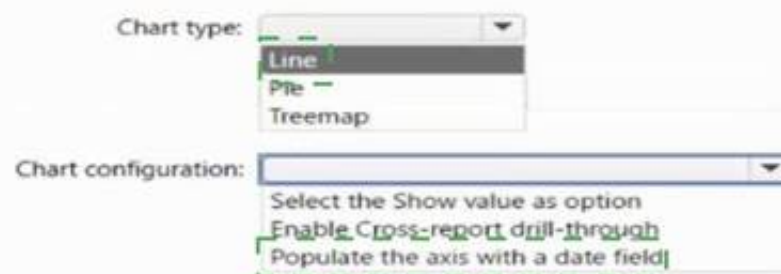


- A. Mastered  
B. Not Mastered

**Answer: A**

**Explanation:**

**Answer Area**



#### NEW QUESTION 149

- (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: B**

**Explanation:**

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

#### NEW QUESTION 152

- (Topic 4)

You have an on-premises Power BI Report Server.

You plan to create a report in Power BI Desktop and publish the report to the report server. Which data source should the report use?

- A. Microsoft Azure SQL Database  
B. a Microsoft SQL Server database  
C. a Microsoft SQL Server Analysis Services (SSAS) database

D. Microsoft Excel

**Answer:** C

**Explanation:**

References:

<https://docs.microsoft.com/en-us/power-bi/report-server/quickstart-create-powerbi-report> <https://docs.microsoft.com/en-us/power-bi/report-server/connect-data-sources>

#### NEW QUESTION 154

- (Topic 4)

You have a Power BI dataset named Finance that is hosted in a Power BI workspace.

The finance team at your company is NOT currently a member of any Power BI workspace roles.

You need to enable the finance team to use Microsoft Excel to analyze the Finance dataset.

What should you do?

A. Create a row-level security (RLS) role and add the finance team to the role as members.

B. Provide an Excel workbook that is connected to the Finance dataset.

C. Grant the finance team write permissions to the Finance dataset.

D. Grant the finance team build permissions to the Finance dataset.

**Answer:** D

#### NEW QUESTION 159

- (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 have a Microsoft Excel workbook that is saved to Microsoft SharePoint Online. The workbook contains several Power View sheets.

You need to recreate the Power View sheets as reports in the Power BI service. Solution: From the Power BI service, get the data from SharePoint Online, and then click

Connect

Does this meet the goal?

A. Yes

B. No

**Answer:** B

**Explanation:**

We need to click "Import", not "Connect".

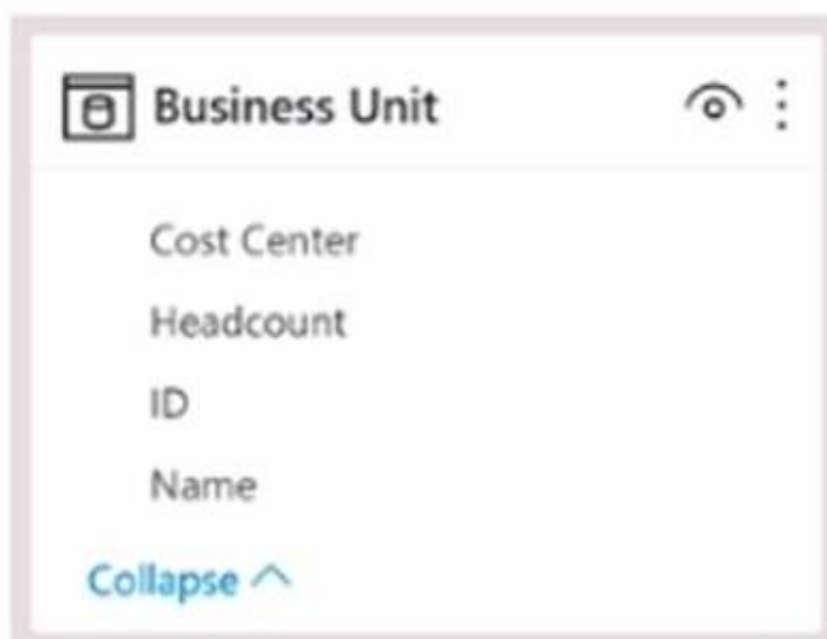
References:

<https://docs.microsoft.com/en-us/power-bi/service-excel-workbook-files>

#### NEW QUESTION 161

HOTSPOT - (Topic 4)

You create a Power BI dataset that contains the table shown in the following exhibit.



| Cost Center |
|-------------|
| Headcount   |
| ID          |
| Name        |

You need to make the table available as an organizational data type in Microsoft Excel.

How should you configure the properties of the table? To answer select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Row label:

Key column:

Is featured table:

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

Row label:

Key column:

Is featured table:

#### NEW QUESTION 166

- (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:**

Reference:

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

#### NEW QUESTION 167

- (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: In the Power Query M code, you replace references to the Excel file with DataSourceExcel.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

**Explanation:**

Instead modify the source step of the queries to use DataSourceExcel as the file path.

Note: 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/>

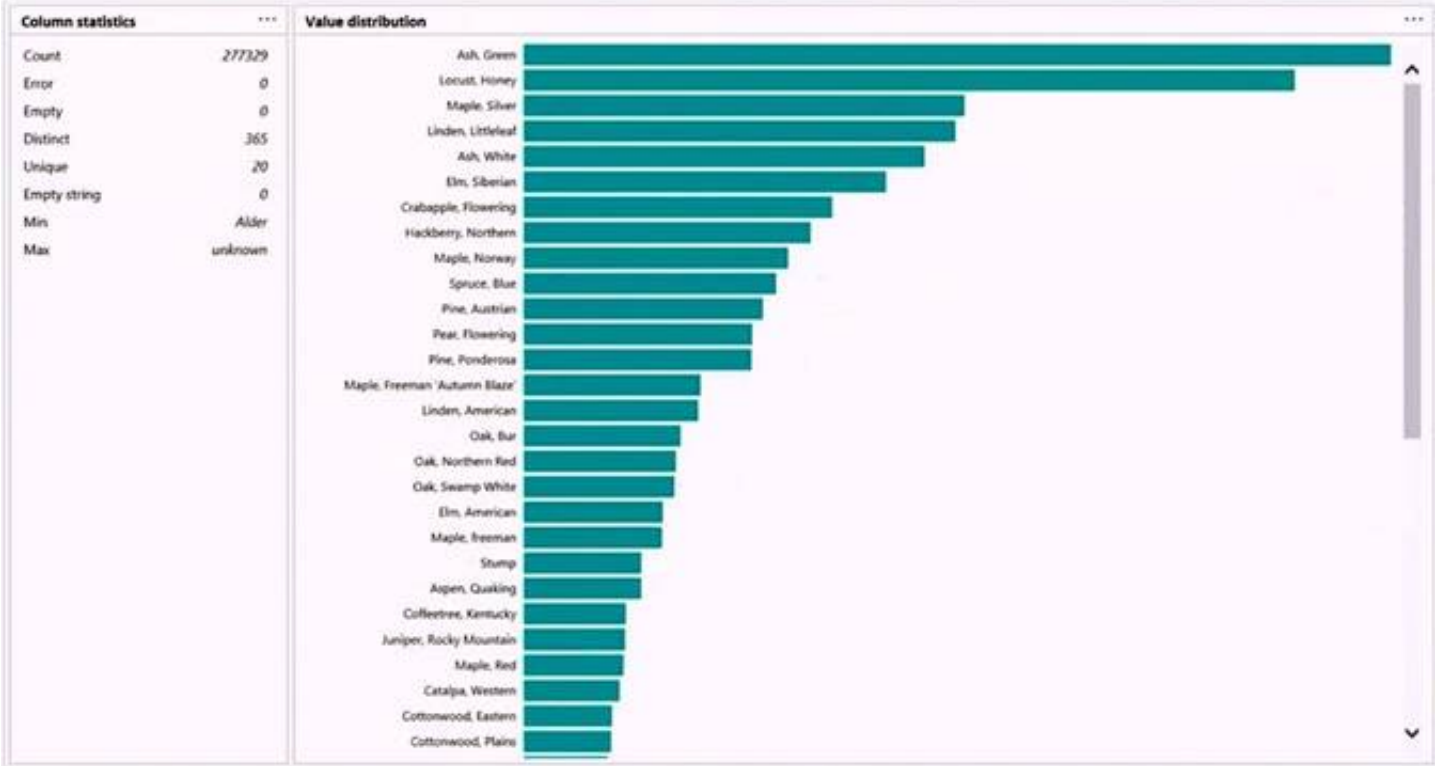
#### NEW QUESTION 170

HOTSPOT - (Topic 4)

You are profiling data by using Power Query Editor.



You have a table that contains a column named column1. Column statistics and Value distribution for column1 are shown in the following exhibit.



Answer Area

There [answer choice] only once.

- are 20 values that occur
- are 365 values that occur
- are 277,329 values that occur
- is one value that occurs

The Pear, Flowering species is found more often in column1 than the [answer choice] species.

The Pear, Flowering species is found more often in column1 than the [answer choice] species.

- Ash, Green
- Crabapple, Flowering
- Elm, American
- Spruce, Blue

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

There [answer choice] only once.

- are 20 values that occur
- are 365 values that occur
- are 277,329 values that occur
- is one value that occurs

The Pear, Flowering species is found more often in column1 than the [answer choice] species.

The Pear, Flowering species is found more often in column1 than the [answer choice] species.

- Ash, Green
- Crabapple, Flowering
- Elm, American
- Spruce, Blue

NEW QUESTION 173

- (Topic 4)

You are creating a Power BI report to analyze consumer purchasing patterns from a table named Transactions. The Transactions table contains a numeric field named Spend. You need to include a visual that identifies which fields have the greatest impact on Spend. Which type of visual should you use?

- A. decomposition tree
- B. Q&A
- C. smart narrative
- D. key influences

Answer: D

NEW QUESTION 174

DRAG DROP - (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**  

AdminContributorMemberViewer

**Answer Area**  

User1: Role

User2: Role

- 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 178

- (Topic 4)  
You are using the key influencers visual to identify which factors affect the quantity of items sold in an order.  
You add the following fields to the Explain By field:  
\* Customer Country  
\* Product Category  
\* Supplier Country  
\* Sales Employee  
\* Supplier Name  
\* Product Name  
\* Customer City  
The key influencers visual returns the results shown in the following exhibit.



What can you identify from the visual?

- A. Customers in Austria order 18.8 more units than the average order quantity.
- B. Customers in Boise order 20.37 percent more than the average order quantity.
- C. Product Category positively influences the quantity per order.
- D. Customers in Cork order lower quantities than average.

Answer: A

NEW QUESTION 182

HOTSPOT - (Topic 4)

You have a Power BI report. You have the following tables.

| Name     | Description  |
|----------|--|
| Balances | The table contains daily records of closing balances for every active bank account. The closing balances appear for every day the account is live, including the last day. |
| Date     | The table contains a record per day for the calendar years of 2000 to 2025. There is a hierarchy for financial year, quarter, month, and day.                              |

You have the following DAX measure.

Accounts :=  
CALCULATE (

Answer Area

Statements

A table visual that displays the date hierarchy at the year level and the [Accounts] measure will show the total number of accounts that were live throughout the year.

A table visual that displays the date hierarchy at the month level and the [Accounts] measure will show the total number of accounts that were live throughout the month.

A table visual that displays the date hierarchy at the day level and the [Accounts] measure will show the total number of accounts that were live that day.

Yes

No

☐

☐

☐

☐

☐

☐

A. Mastered  
B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements

A table visual that displays the date hierarchy at the year level and the [Accounts] measure will show the total number of accounts that were live throughout the year.

A table visual that displays the date hierarchy at the month level and the [Accounts] measure will show the total number of accounts that were live throughout the month.

A table visual that displays the date hierarchy at the day level and the [Accounts] measure will show the total number of accounts that were live that day.

Yes

No

☐

☒

☐

☒

☒

☐

NEW QUESTION 186

- (Topic 4)

You have a Power BI report hosted on powerbi.com that displays expenses by department for department managers.

The report contains a line chart that shows expenses by month.

You need to enable users to choose between viewing the report as a line chart or a column chart. The solution must minimize development and maintenance effort.

What should you do?

A. Add a column chart, a bookmark, and a button for users to choose a visual.  
B. Create a mobile report that contains a column chart.  
C. Create a separate report page for users to view the column chart.  
D. Enable report readers to personalize visuals.

Answer: C

NEW QUESTION 191

- (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.

From Power Query Editor, you profile the data shown in the following exhibit.

|   | A <sup>B</sup> <sub>C</sub> IoT GUID  | IoT DateTime  | 1 <sup>2</sup> <sub>3</sub> IoT ID  |
|---|---|---|---|
|   | <div><div>Valid</div><div>Error</div><div>Empty</div></div> <div>100%<br/>0%<br/>0%</div> | <div><div>Valid</div><div>Error</div><div>Empty</div></div> <div>100%<br/>0%<br/>0%</div> | <div><div>Valid</div><div>Error</div><div>Empty</div></div> <div>100%<br/>0%<br/>0%</div> |
| 1 | 48196321-38D9-EC11-883D-0022489A2...  | 21/05/2022 18:59:25   | 100001000   |
| 2 | 49196321-38D9-EC11-883D-0022489A2...  | 21/05/2022 18:59:26   | 100001001   |
| 3 | 0300C742-38D9-EC11-883D-0022489A2...  | 21/05/2022 19:00:21   | 100001002   |
| 4 | 0400C742-38D9-EC11-883D-0022489A2...  | 21/05/2022 19:00:21   | 100001003   |
| 5 | 0500C742-38D9-EC11-883D-0022489A2...  | 21/05/2022 19:00:21   | 100001004   |
| 6 | 0600C742-38D9-EC11-883D-0022489A2...  | 21/05/2022 19:00:21   | 100001005   |

The IoT GUID and IoT ID columns are unique to each row in query.

You need to analyze IoT events by the hour and day of the year. The solution must improve dataset performance.

Solution: You remove the IoT GUID column and retain the IoT ID column. Does this meet the goal?

A. Yes  
B. No

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**Answer:** A

#### NEW QUESTION 196

- (Topic 4)

You have a Power BI report that contains one page. The page contains two line charts and one bar chart.

You need to ensure that users can perform the following tasks for all three visuals:

? Switch the measures used in the visuals.

? Change the visualization type.

? Add a legend.

The solution must minimize development effort. What should you do?

A. Enable personalization for each Visual.

B. Create a bookmark for each acceptable combination of visualization type, measure, and legend in the bar chart

C. Edit the interactions between the three visuals.

D. Enable personalization for the report

**Answer:** C

#### NEW QUESTION 199

- (Topic 4)

You have a Microsoft SharePoint Online site that contains several document libraries. One of the document libraries contains manufacturing reports saved as Microsoft Excel files. All the manufacturing reports have the same data structure.

You need to load only the manufacturing reports to a table for analysis. What should you do in Microsoft Power BI Desktop?

A. Get data from a SharePoint Online folder, enter the site URL, and then select Combine& Load.

B. Get data from a SharePoint Online list and enter the site UR

C. Edit the query and filter by the path to the manufacturing reports library.

D. Get data from a SharePoint Online folder and enter the site UR

E. Edit the query and filter by the path to the manufacturing reports library.

F. Get data from a SharePoint Online list, enter the site URL, and then select Combine & Load.

**Answer:** B

#### Explanation:

We have to import Excel files from SharePoint, so we need the connector SharePoint folder which is used to get access to the files stored in the library. SharePoint list is a collection of content that has rows and columns (like a table) and is used for task lists, calendars, etc. Since we have to filter only on manufacturing reports, we have to select Transform and then filter by the corresponding folder path.

<https://docs.microsoft.com/en-us/power-query/connectors/sharepointlist>

#### NEW QUESTION 200

DRAG DROP - (Topic 4)

You are modifying a Power Bi model by using Power BI Desktop.

You have a table named Sales that contains the following fields.

| Name           | Data type    |
|----------------|--------------|
| Transaction ID | Whole Number |
| Customer Key   | Whole Number |
| Sales Date Key | Date         |
| Sales Amount   | Whole Number |

You have a table named Transaction Size that contains the following data.

| Transaction Size ID | Transaction Size | Min     | Max         |
|---------------------|------------------|---------|-------------|
| 1                   | Small            | 0       | 10,000      |
| 2                   | Medium           | 10,001  | 100,000     |
| 3                   | Large            | 100,001 | 999,999,999 |

You need to create a calculated column to classify each transaction as small, medium, or large based on the value in Sales Amount.

How should you complete the code? 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.



**Values**  

ALL

AND

CALCULATE

FILTER

OR

SUM

**Answer Area**  

```

Transaction Size =
VAR SalesTotal = 'Sales'[Sales]
VAR FilterSegment =
    Value (
        'Transaction Size',
        Value (
            'Transaction Size'[Min] <= SalesTotal,
            'Transaction Size'[Max] >= SalesTotal
        )
    )
VAR Result =
    Value ( DISTINCT ( 'Transaction Size'[Transaction Size] ), FilterSegment )
RETURN
    Result
        
```

- A. Mastered  
 B. Not Mastered

**Answer:** A

**Explanation:**  
 FILTER | AND | CALCULATE

#### NEW QUESTION 205

- (Topic 4)

You embed a Power BI report in a Microsoft SharePoint Online page.

A user name User1 can access the SharePoint Online page, but the Power BI web part displays the following error message: "This content isn't available".

User1 is unable to view the report.

You verify that you can access the SharePoint Online page and that the Power BI report displays as expected.

You need to ensure that User1 can view the report form SharePoint Online. What should you do?

- A. Publish the app workspace.  
 B. Edit the settings of the Power BI web part.  
 C. Modify the members of the app workplace.  
 D. Share the dashboards in the app workspace.

**Answer:** C

**Explanation:**  
 References: <https://docs.microsoft.com/en-us/power-bi/service-embed-report-spo>

#### NEW QUESTION 209

- (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.

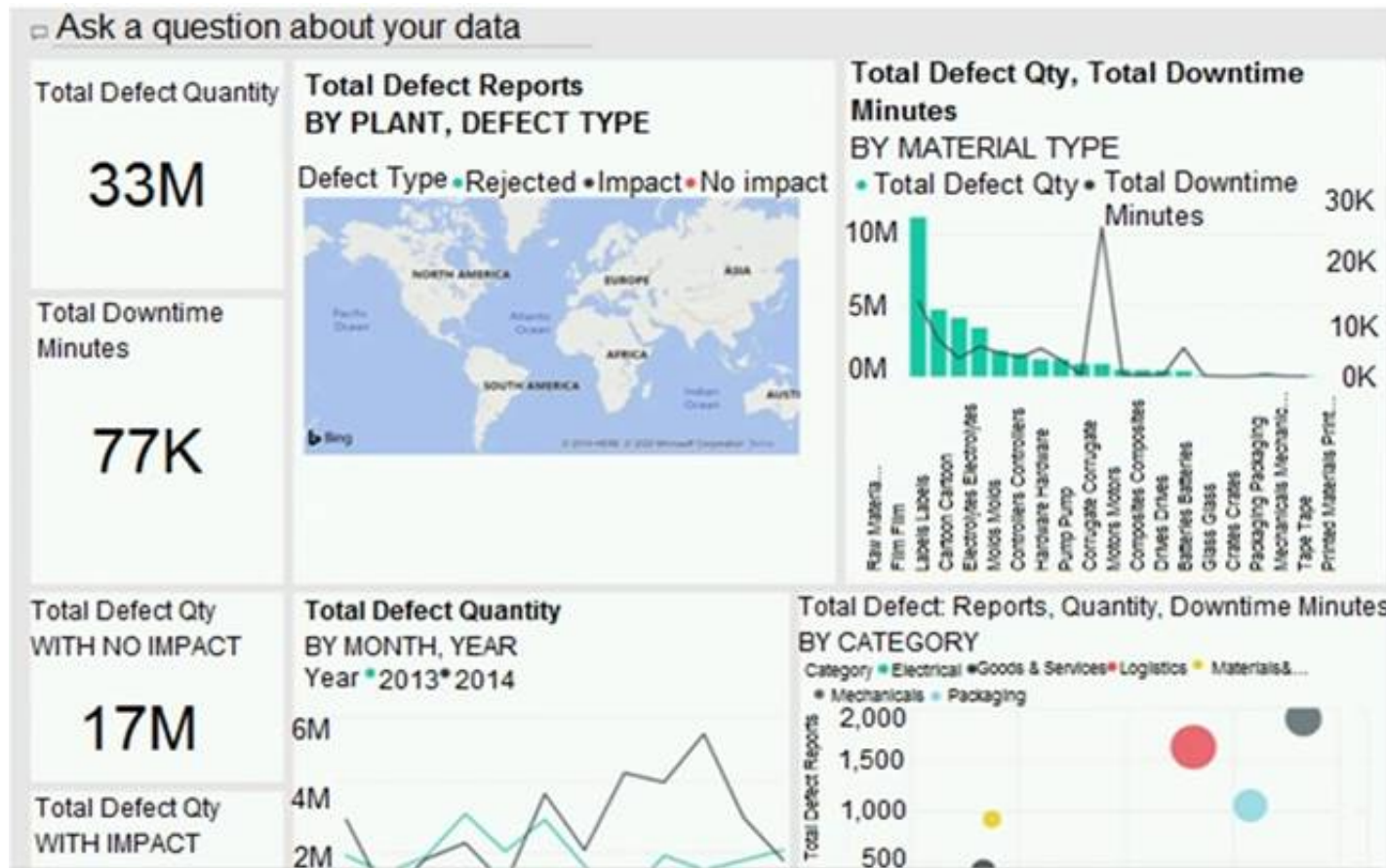
**Answer:** B

**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 211

- (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-work>

#### NEW QUESTION 213

- (Topic 4)

You have a project management app that is fully hosted in Microsoft Teams. The app was developed by using Microsoft Power Apps. You need to create a Power BI report that connects to the project management app. Which connector should you select?

- A. Microsoft Teams Personal Analytics
- B. SQL Server database
- C. Dataverse
- D. Dataflows

**Answer: C**

#### NEW QUESTION 215

DRAG DROP - (Topic 4)

You have a Power BI data model that contains two tables named Products and Sales. A one-to-many relationship exists between the tables.

You have a report that contains a report-level filter for Products.  
You need to create a measure that will return the percent of total sales for each product. The measure must respect the report-level filter when calculating the total.  
How should you complete the DAX measure? To answer drag the appropriate DAX functions to the correct targets- Each function may be used once, more than once, or not at all the spirt bar between panes or scroll to view content  
NOTE: Each correct selection is worth one point

DAX Function

ALL

ALLSELECTED

CALCULATE

FILTER

SELECTEDVALUE

Answer Area

Percent of Product Sales =

VAR ProductSales = SUM ('Sales'[Sales])

VAR AllSales =

Function

 (SUM ('Sales'[Sales]), 

Function

 ('Products'[Product]))

RETURN

DIVIDE (ProductSales, AllSales)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

DAX Function

ALL

ALLSELECTED

CALCULATE

FILTER

SELECTEDVALUE

Answer Area

Percent of Product Sales =

VAR ProductSales = SUM ('Sales'[Sales])

VAR AllSales =

CALCULATE

 (SUM ('Sales'[Sales]), 

FILTER

 ('Products'[Product]))

RETURN

DIVIDE (ProductSales, AllSales)

NEW QUESTION 216

- (Topic 4)  
You have a query that returns the data shown in the following exhibit.

|   | A <sup>B</sup> <sub>C</sub> student | A <sup>B</sup> <sub>C</sub> classes |
|---|-------------------------------------|-------------------------------------|
| 1 | Mike A                              | Math,English,Art                    |
| 2 | Sam B                               | Physics                             |
| 3 | Kathy S                             | English, Math                       |

You need to configure the query to display the data as shown in the following exhibit.

|   | A <sup>B</sup> <sub>C</sub> student | A <sup>B</sup> <sub>C</sub> classes |
|---|-------------------------------------|-------------------------------------|
| 1 | Mike A                              | Math                                |
| 2 | Mike A                              | English                             |
| 3 | Mike A                              | Art                                 |
| 4 | Sam B                               | Physics                             |
| 5 | Kathy S                             | English                             |
| 6 | Kathy S                             | Math                                |

Which step should you use in the query?

- A. =Table.ExpandListColumn(Table.TransformColumnns(Source, {"classes". Splitter.SplitTextByDelimiter(",", QuoteStyle.None), let itemType - (type nullable text) meta [Serialized.Text = true] in type {itemType}}), "classes")
- B. = Table.Unpivot(Source, {"classes"}, "Attribute", "Value")
- C. = Table.SplitColumn(Source, "classes". Splitter.SplitTextByDelimeterf",", QuoteStyle.None), {"classes.1"})
- D. = Table.SplitColumn(Source, "classes". Splitter.SplitTextByPositions({10}), {"classes.1"})

Answer: B

Explanation:

Power Query Unpivot columns: 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.



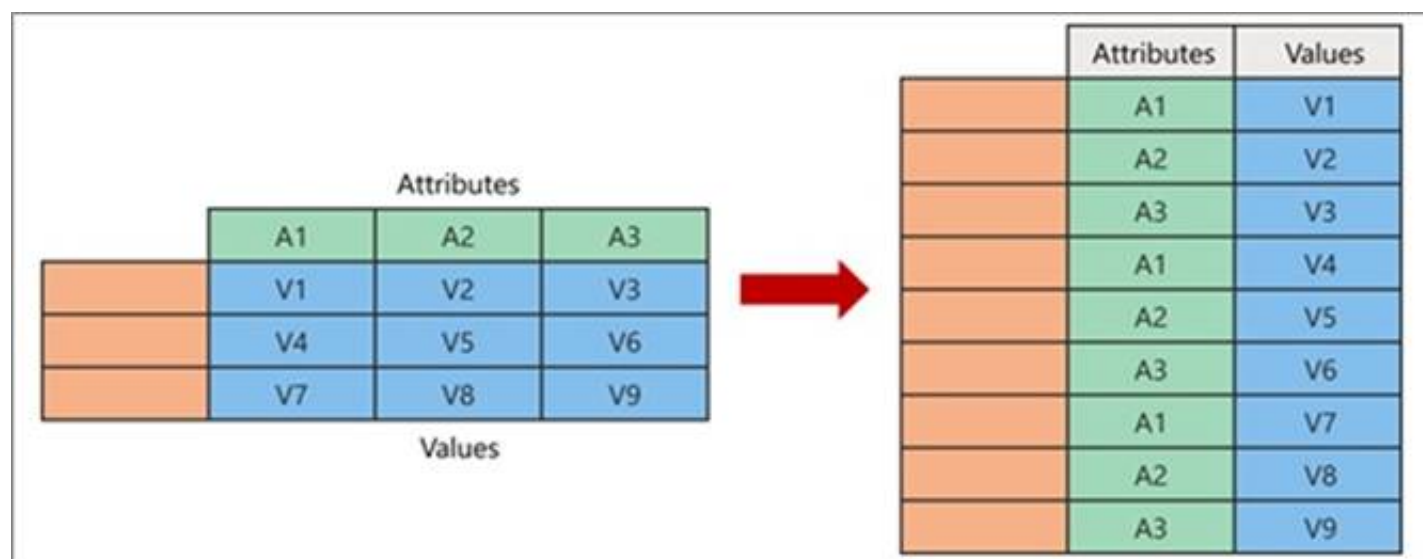


Chart Description automatically generated

Note:

Syntax: Table.Unpivot(table as table, pivotColumns as list, attributeColumn as text, valueColumn as text) as table

Table.Unpivot translates a set of columns in a table into attribute-value pairs, combined with the rest of the values in each row.

Reference:

<https://docs.microsoft.com/en-us/power-query/unpivot-column> <https://docs.microsoft.com/en-us/powerquery-m/table-unpivot>

### NEW QUESTION 221

- (Topic 4)

You have a Power Bi report. The report contains a visual that snows gross sales by date The visual has anomaly detection enabled.

No anomalies ate detected

You need to increase the likelihood that anomaly detection will identify anomalies in the report.

What should you do?

- A. Add a data field to the Secondary values field weft
- B. Increase the Sensitivity setting.
- C. Increase the Expected range transparency setting,
- D. Add a data field to the Legend field well

**Answer:** B

#### Explanation:

If you increase the sensitivity, the algorithm is more sensitive to changes in your data. In that case, even a slight deviation is marked as an anomaly. If you decrease the sensitivity, the algorithm is more selective on what it considers an anomaly. reference: <https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-anomaly-detection>

### NEW QUESTION 226

- (Topic 4)

You have a Power BI dashboard that displays different visualizations of company sales.

You enable Q&A on the dashboard.

You need to provide users with sample questions that they can ask when using Q&A. Which settings should you modify from the Power BI Settings?

- A. Subscriptions
- B. Dashboards
- C. Datasets
- D. Workbooks

**Answer:** C

#### Explanation:

References: <https://docs.microsoft.com/en-us/power-bi/service-q-and-a-create-featured-questions>

### NEW QUESTION 230

DRAG DROP - (Topic 4)

You receive annual sales data that must be included in Power BI reports.

From Power Query Editor, you connect to the Microsoft Excel source shown in the following exhibit.

|    |      |    |       |       |      |
|----|------|----|-------|-------|------|
| 2  | Feb  | 2  | 758   | 773   | 0    |
| 3  | Mar  | 3  | 37763 | 570   | null |
| 4  | Apr  | 4  | 8364  | 9417  | null |
| 5  | May  | 5  | 58256 | 276   | null |
| 6  | June | 6  | 6722  | 235   | null |
| 7  | July | 7  | 55225 | 6297  | null |
| 8  | Aug  | 8  | 673   | 63    | null |
| 9  | Sep  | 9  | 552   | 357   | null |
| 10 | Oct  | 10 | 7838  | 24214 | null |
| 11 | Nov  | 11 | 83544 | 257   | null |
| 12 | Dec  | 12 | 32455 | 389   | null |

You need to create a report that meets the following requirements:

- Visualizes the Sales value over a period of years and months
- Adds a slicer for the month
- Adds a slicer for the year



Actions

Select the Month and MonthNumber columns.

Select **Transpose**.

Rename the Attribute column as Year and the Value column as Sales.

Select **Unpivot other columns**.

Select the 2019, 2020, and 2021 columns.

Answer Area

>

<

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

Select the Month and MonthNumber columns.

Select **Transpose**.

Rename the Attribute column as Year and the Value column as Sales.

Select **Unpivot other columns**.

Select the 2019, 2020, and 2021 columns.

Answer Area

>

<

Select the 2019, 2020, and 2021 columns.

Select **Unpivot other columns**.

Rename the Attribute column as Year and the Value column as Sales.

NEW QUESTION 235

FILL IN THE BLANK - (Topic 4)

You are creating a line chart in a Power BI report as 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.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer as selected

Answer Area

The dashed line representing the Year Average Employee Count was created by using [answer choice].

an average reference line

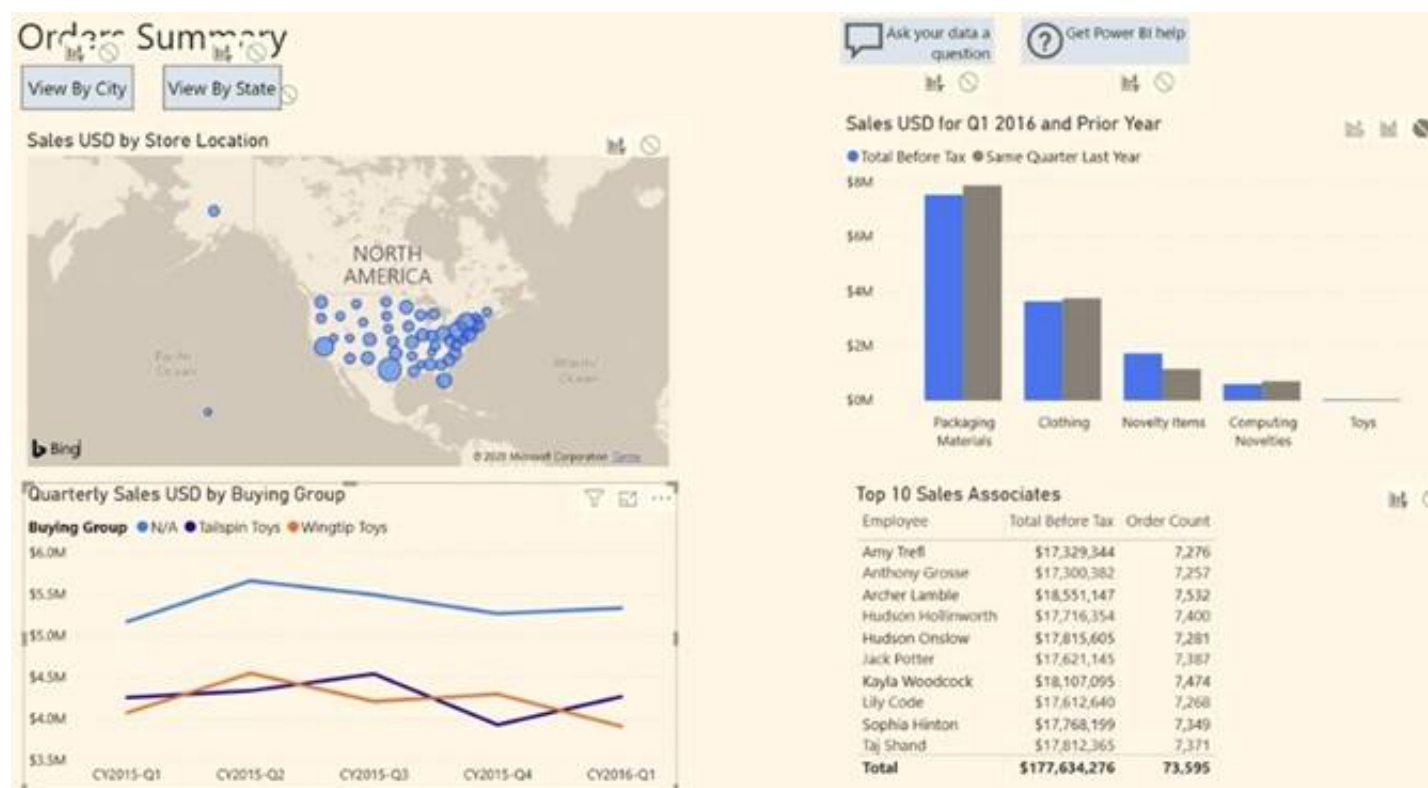
To enable users to drill down to weeks or days, add the Weeks and Days field to the [answer choice] bucket.

Values

NEW QUESTION 236

HOTSPOT - (Topic 4)

You have a report page that contains the visuals 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.

**Answer Area**

Selecting a quarter on the line chart will [answer choice] the clustered column chart.

Selecting a data point on the Tailspin Toys line on the line chart will [answer choice] the map.

- A. Mastered  
 B. Not Mastered

**Answer: A**

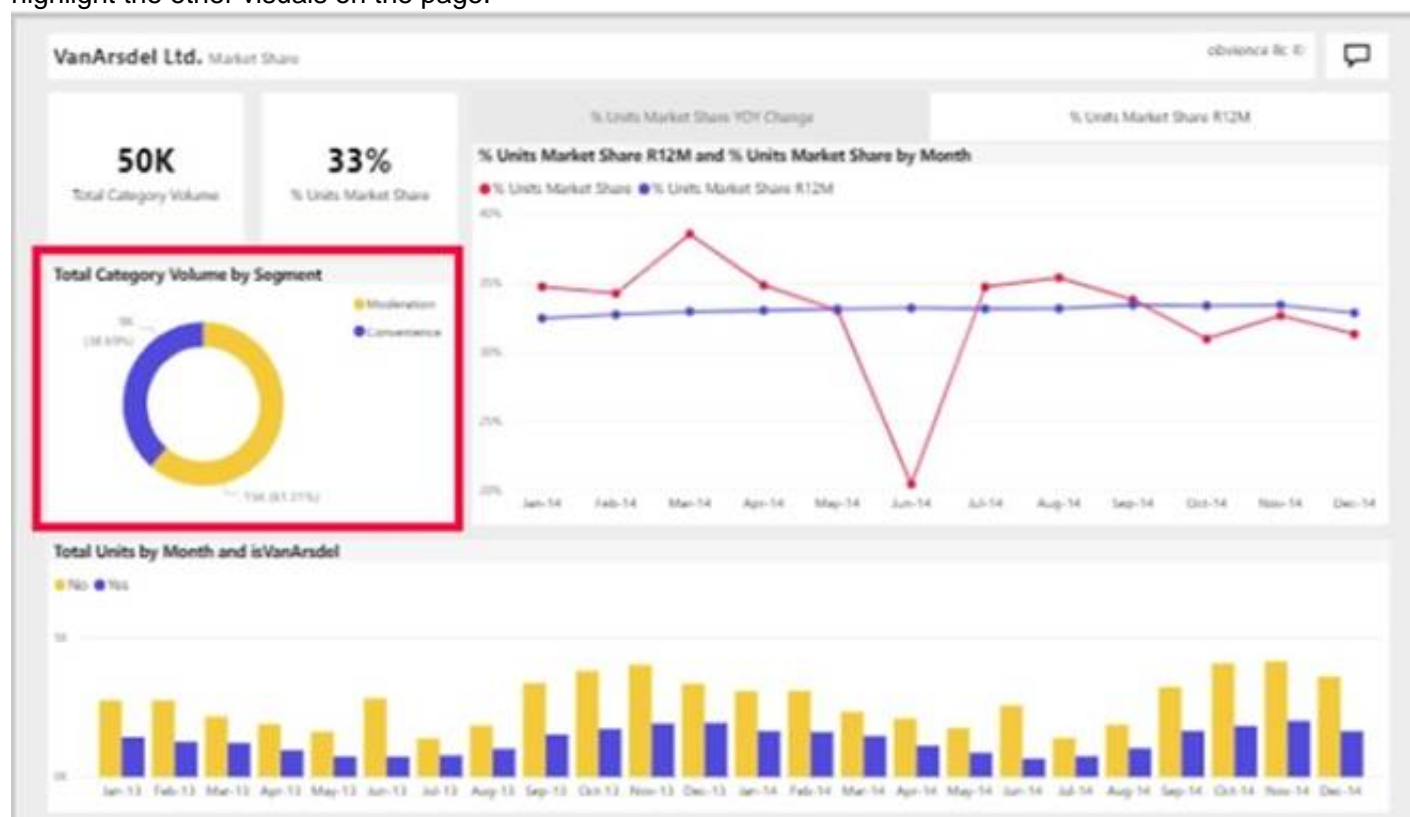
**Explanation:**

Box 1: cross-filter

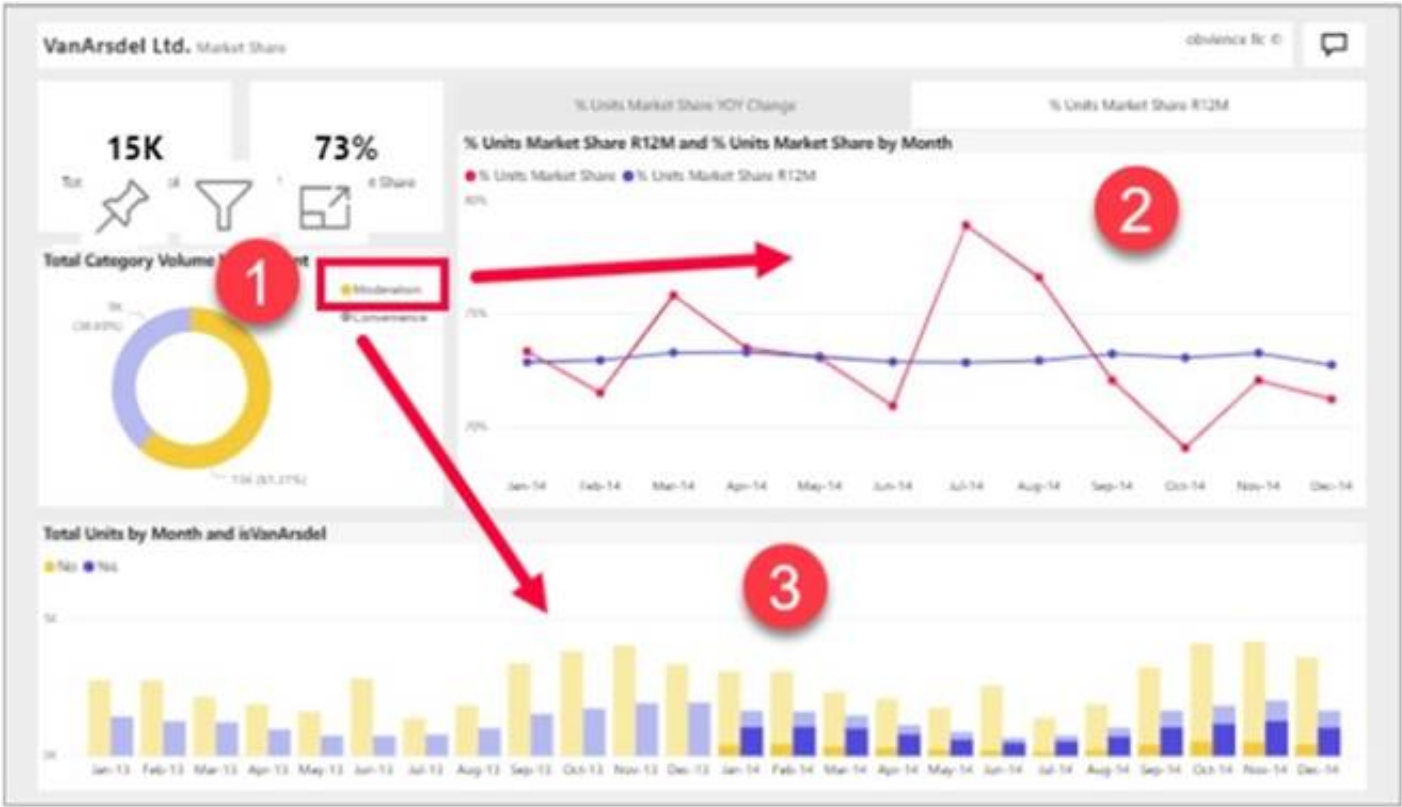
By default, selecting a data point in one visual on a report page will cross-filter or cross-highlight the other visuals on the page.

Box 2: cross-highlight Example:

By default, selecting a data point in one visual on a report page will cross-filter or cross-highlight the other visuals on the page.



\* 1. Let's see what happens when we select Moderation.



- \* 2. Cross-filtering removes data that doesn't apply. Selecting Moderation in the doughnut chart cross-filters the line chart. The line chart now only displays data points for the Moderation segment.
- \* 3. Cross-highlighting retains all the original data points but dims the portion that does not apply to your selection. Selecting Moderation in the doughnut chart cross-highlights the column chart. The column chart dims all the data that applies to the Convenience segment and highlights all the data that applies to the Moderation segment.

**NEW QUESTION 241**

- (Topic 4)

You build a report to analyze customer transactions from a database that contains the tables shown in the following table.

| Table name  | Column name                 |
|-------------|-----------------------------|
| Customer    | CustomerID (primary key)    |
|             | Name                        |
|             | State                       |
|             | Email                       |
| Transaction | TransactionID (primary key) |
|             | CustomerID (foreign key)    |
|             | Date                        |
|             | Amount                      |

You import the tables.  
 Which relationship should you use to link the tables?

- A. one-to-many from Customer to Transaction
- B. one-to-one between Customer and Transaction
- C. one-to-many from Transaction to Customer
- D. many-to-many between Customer and Transaction

**Answer:** A

**Explanation:**

Each customer can have many transactions.  
 For each transaction there is exactly one customer.

**NEW QUESTION 242**

- (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 243**

- (Topic 4)



What is the minimum number of Power BI datasets needed to support the reports?

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

**Answer:** A

**NEW QUESTION 245**

- (Topic 4)

You open a query in Power Query Editor.

You need to identify the percentage of empty values in each column as quickly as possible. Which Data Preview option should you select?

- A. Show whitespace
- B. Column profile
- C. Column distribution
- D. Column quality

**Answer:** D

**Explanation:**

Column quality: In this section, we can easily see valid, Error and Empty percentage of data values associated with the Selected table.

Note: In Power Query Editor, Under View tab in Data Preview Section we can see the following data profiling functionalities:

? Column quality

? Column distribution

? Column profile

Reference:

<https://community.powerbi.com/t5/Community-Blog/Data-Profiling-in-Power-BI-Power-BI-Update-April-2019/ba-p/674555>

**NEW QUESTION 250**

DRAG DROP - (Topic 4)

You use Power Query Editor to preview the data shown in the following exhibit

|    | SKU                    | price                | discount |
|----|------------------------|----------------------|----------|
|    | 11 distinct, 11 unique | 9 distinct, 7 unique |          |
| 1  | P00001                 | 100                  | 0.08     |
| 2  | P00002                 | 150                  | 0.03     |
| 3  | P00003                 | 130                  | Error    |
| 4  | P00004                 | 200                  | 0.06     |
| 5  | P00005                 | 80                   | Error    |
| 6  | P00006                 | 350                  | Error    |
| 7  | P00007                 | 100                  | Error    |
| 8  | P00008                 | 200                  | 0.05     |
| 9  | P00009                 | 135                  | Error    |
| 10 | P00010                 | 90                   | Error    |
| 11 | P00011                 | 120                  | Error    |

You need to clean and transform the query so that all the rows of data are maintained, and error values in the discount column are replaced with a discount of 0.05. The solution must minimize administrative effort.

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.

For the discount column, change Data Type to Whole Number.

Select the price column.

Select the discount column.

Select Replace Errors to replace each error value with 0.05.

For the discount column, change Data Type to Decimal Number.

➡

⬅

Answer Area

⬅

➡

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

For the discount column, change Data Type to Whole Number.

Select the price column.

Select the discount column.

Select Replace Errors to replace each error value with 0.05.

For the discount column, change Data Type to Decimal Number.

➡

⬅

Answer Area

⬅

➡



**NEW QUESTION 255**

- (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 have a Power BI report that imports a date table and a sales table from an Azure SQL database data source. The sales table has the following date foreign keys:

? Due Date

? Order Date

? Delivery Date

You need to support the analysis of sales over time based on all the date foreign keys.

Solution: For each date foreign key, you add inactive relationships between the sales table and the date table.

Does this meet the goal?

A. Yes

B. No

**Answer: B**

**Explanation:**

You can reference an inactive relationship whit DAX function USERELATIONSHIP(), but using DAX is not mentioned here.

So follow this refactory methodology:

Create a copy of the role-playing table, providing it with a name that reflects its role. If it's an Import table, we recommend defining a calculated table. If it's a DirectQuery table, you can duplicate the Power Query query.

Source: <https://learn.microsoft.com/en-us/power-bi/guidance/relationships-active-inactive>

**NEW QUESTION 257**

- (Topic 4)

You need to create the On-Time Shipping report.

The report must include a visualization that shows the percentage of late orders. Which type of visualization should you create?

A. scarterplot

B. bar chart

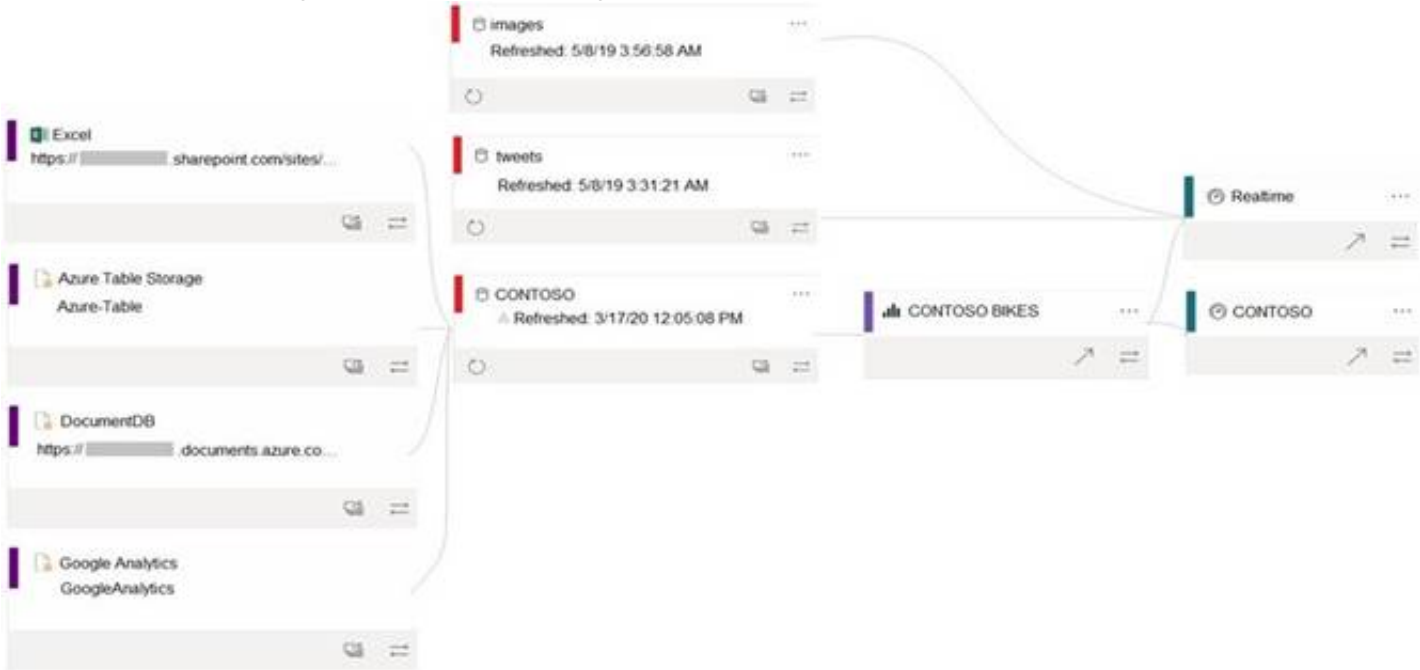
C. piechart

**Answer: B**

**NEW QUESTION 261**

HOTSPOT - (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:**

Box 1: CONTOSO BIKES report Box 2: three datasets  
Images, tweets and the Contoso datasets.

**NEW QUESTION 264**

- (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 developmentworkspac
- B. Grant the end users access to the production workspace.
- C. Create one workspace for developmen
- D. From the new workspace, publish an app for production.
- E. Create a workspace for development and a workspace for productio
- 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/>

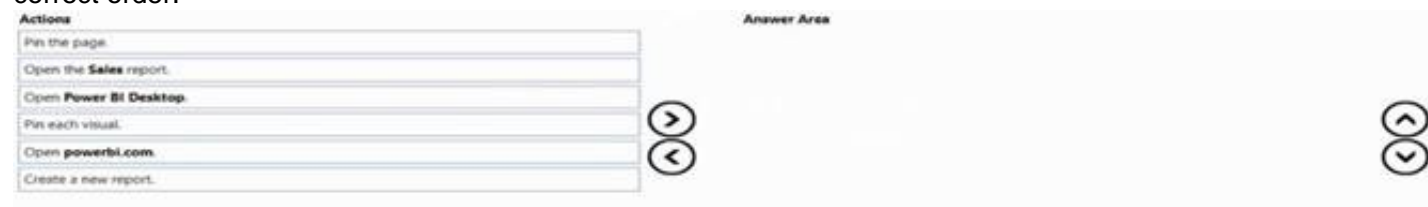
**NEW QUESTION 267**

DRAG DROP - (Topic 4)

You have a Power BI workspace that contains a single-page report named Sales.

You need to add all the visuals from Sales to a dashboard. The solution must ensure that additional visuals added to the page are added automatically to the dashboard.

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.



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Open powerbi.com Select sales report

Pin the page

**NEW QUESTION 272**

- (Topic 4)

You have a Power BI model that contains a table named Sales. The Sales table contains the following columns:

- Order Line ID
- Product ID
- Unit Price
- Order ID
- Quantity

Orders are uniquely identified by using the order ID and can have multiple order lines Each order line within an order contains a different product ID.

You need to write a DAX measure that counts the number of orders. Which formula should you use?

- A. CountRows('Sales')
- B. Count ('Sales'(Order ID))
- C. CountA (Sale\*\* (Order ID))
- D. DistinctCount (sales'[Order ID])

**Answer:** D

**NEW QUESTION 277**

- (Topic 4)

In the Power BI service, you create an app workplace that contains several dashboards.

You need to provide a user named user1@contoso.com with the ability to edit and publish dashboards.

What should you do?

- A. Modify the members of the app workspace.
- B. Configure security for the dataset used by the app.

- C. Share the dashboard, and then modify the Access settings of the dashboard.
- D. From the app workspace, click Update app, and then configure the Access settings.

Answer: C

NEW QUESTION 281

DRAG DROP - (Topic 4)

You have a Power BI model that contains a table named Sales. Sales has the following three measures:

? A measure named Total Sales Last Year that displays the sales from the previous calendar year. The current value is 32.89 million.

? A measure named Total Sales This Year that displays the sales from the current calendar year. The current value is 11.69 million.

? A measure named Total Sales Difference that uses a DAX formula of Sales[Last Year] – Sales[This Year].

You need to create the following visualization.



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

NOTE: Each correct selection is worth one point.

| Measures               | Answer Area                         |
|------------------------|-------------------------------------|
| Total Sales Difference | Value: <input type="text"/>         |
| Total Sales Last Year  | Maximum value: <input type="text"/> |
| Total Sales This Year  | Target value: <input type="text"/>  |

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 285

- (Topic 4)

You have a collection of reports for the HR department of your company. The datasets use row-level security (RLS). The company has multiple sales regions that each has an HR manager. You need to ensure that the HR managers can interact with the data from their region only. The HR managers must be prevented from changing the layout of the reports. How should you provision access to the reports for the HR managers?

- A. Create a new workspace, copy the datasets and reports, and add the HR managers as members of the workspace.
- B. Publish the reports to a different workspace other than the one hosting the datasets.
- C. Publish the reports in an app and grant the HR managers access permission.
- D. Add the HR managers as members of the existing workspace that hosts the reports and the datasets.

Answer: C

Explanation:

Note: Row-level security (RLS) with Power BI can be used to restrict data access for given users. Filters restrict data access at the row level, and you can define filters within roles. In the Power BI service, members of a workspace have access to datasets in the workspace. RLS doesn't restrict this data access.

Reference:

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

NEW QUESTION 287

- (Topic 4)

You need to create a visual that enables the adhoc exploration of data as shown in the following exhibit.



Which type of visual should you use?

- A. Q&A
- B. decomposition tree
- C. smart narrative
- D. key influencers

Answer: B

NEW QUESTION 291

HOTSPOT - (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)  
    )  
    RETURN  
    (SUM('financials' [Sales]) - PREV_QUARTER, PREV_QUARTER)
```



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

```
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
)
)
```

**NEW QUESTION 293**

- (Topic 4)  
 You have the dataset shown in the following exhibit.



| City          | Sales Profit        |
|---------------|---------------------|
| Abbottsburg   | \$173,947           |
| Absecon       | \$129,358           |
| Accomac       | \$157,768           |
| Aceitunas     | \$119,283           |
| Airport Drive | \$162,500           |
| Akhiok        | \$259,554           |
| Alcester      | \$127,040           |
| Alden Bridge  | \$152,138           |
| Alstead       | \$106,147           |
| Amado         | \$136,718           |
| Amanda Park   | \$117, 444          |
| Andrix        | \$130,710           |
| Annamoriah    | \$139,499           |
| Antares       | \$147,562           |
| Antonio       | \$113,056           |
| <b>Total</b>  | <b>\$85,729,181</b> |

You need to ensure that the visual shows only the 10 cities that have the highest sales profit. What should you do?

- A. Add a Top N filter to the visual.
- B. Configure the Sales Profit measure to use the RANKX function.
- C. Add a calculated column to the table that uses the TOPN function.
- D. In the visual, replace Sales Profit with the calculated column.
- E. Add a calculated column to the table that returns the city name if the city is in the top 10, otherwise the calculated column will return "Not in Top 10". In the visual, replace Sales Profit with the calculated column.

**Answer:** A

**Explanation:**

Power BI Top N Filters are useful to display the top performing records, and Bottom N filters are helpful to display the least performing records. For example, we can display top or bottom 10 products by orders or sales.

Note:

? Select the Column you want to display the Top Sales Profit

? Then change the Filter Type of that Column to Top N

? Fill in Top / Bottom number field

? And lastly drag to the By Value filed your Sales Profit

Reference:

<https://www.tutorialgateway.org/power-bi-top-10-filters/>

#### NEW QUESTION 298

- (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. comments

B. tiles

C. Microsoft Information Protection sensitivity labels

D. Active Directory groups

**Answer: C**

#### Explanation:

Microsoft Information Protection sensitivity labels provide a simple way for your users to classify critical content in Power BI without compromising productivity or the ability to collaborate. Sensitivity labels can be applied to datasets, reports, dashboards, and dataflows. Reference:

<https://docs.microsoft.com/en-us/power-bi/admin/service-security-sensitivity-label-overview>

#### NEW QUESTION 299

- (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 303

HOTSPOT - (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.

```
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
            (_, "sourceid")))
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 306**

- (Topic 4)

The Sales table contains records of sales by day from the last five years up until today's date.

You plan to create a measure to return the total sales Of March 2021 when March 2022 is selected.

Which DAX expression should you use?

- A. `TOTALYTD (SUM(Sales[Sales]), dimDate[Date] )`
- B. `Calculate (SUM(Sales[Sales]), SAMEPERIODOLASTYEAR(dimDate[Date] ) )`
- C. `SUM(Sales[Sales])`
- D. `Calculate (SUM(Sales[Sales]), PREVIOUSYEAR( dimDate[Date]))`

- A. Option A
- B. Option B
- C. option C
- D. Option D

**Answer:** B

**NEW QUESTION 307**

- (Topic 4)

You have a Microsoft SharePoint Online site that contains several document libraries.

One of the document libraries contains manufacturing reports saved as Microsoft Excel files. All the manufacturing reports have the same data structure.

You need to use Power BI Desktop to load only the manufacturing reports to a table for analysis.

What should you do?

- A. Get data from a SharePoint folder, enter the site URL and then select Combine & Load
- B. Get data from a SharePoint list and enter the site URL Select Combine & Transform, then filter by the folder path to the manufacturing reports library.

- C. Get data from a SharePoint list enter the site URL and then select Combine & Load
- D. Get data from a SharePoint folder and enter the site UR
- E. Select Transform, then filter by the folder path to the manufacturing reports library,

**Answer:** A

#### NEW QUESTION 312

- (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 316

- (Topic 4)

You need to create a visualization that compares revenue and cost over time. Which type of visualization should you use?

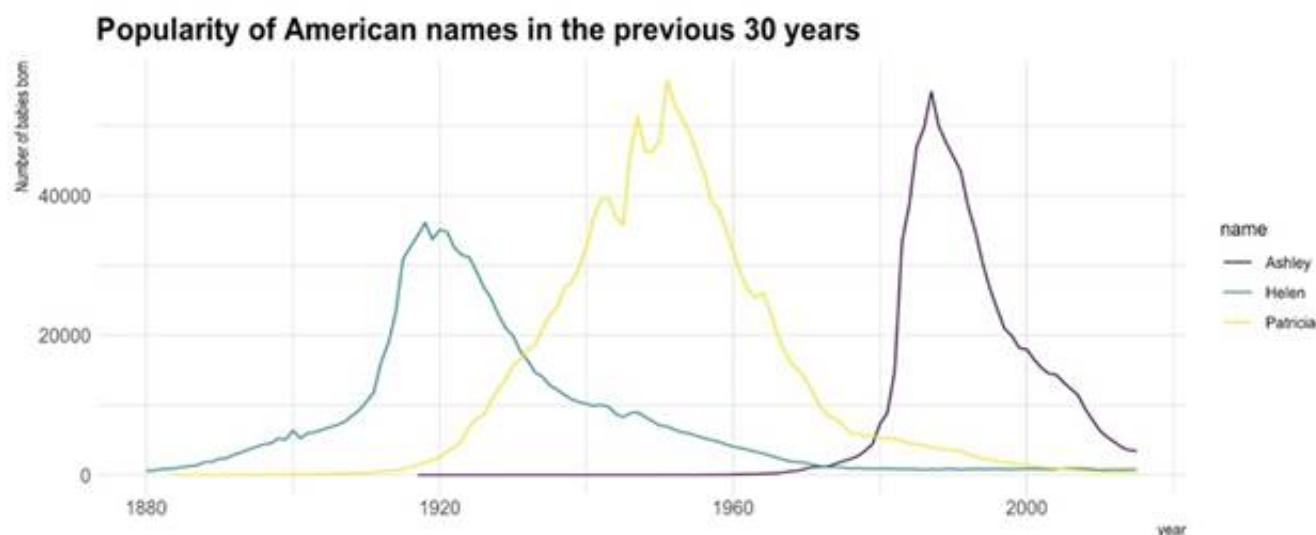
- A. stacked area chart
- B. donut chart
- C. line chart
- D. waterfall chart

**Answer:** C

#### Explanation:

A line chart or line graph displays the evolution of one or several numeric variables. Data points are connected by straight line segments. A line chart is often used to visualize a trend in data over intervals of time – a time series – thus the line is often drawn chronologically.

Example:



Reference:

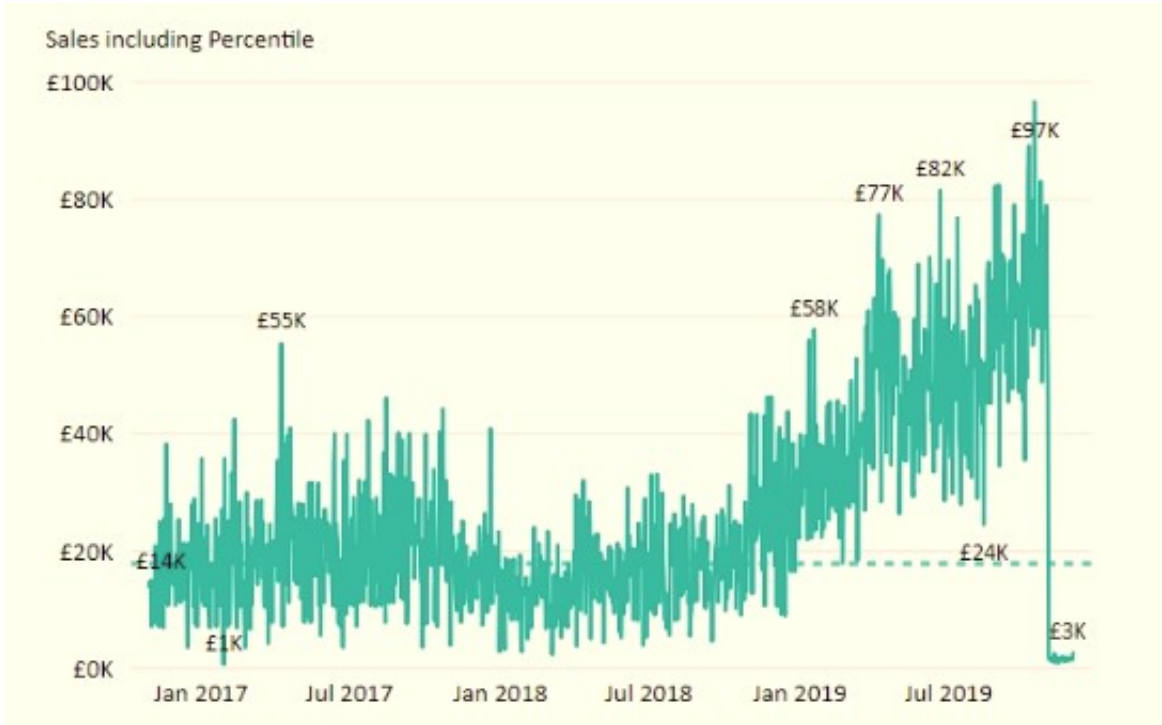
<https://www.data-to-viz.com/graph/line.html>

#### NEW QUESTION 319

- (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
- C. Measure - PERCENTUEX.EXC (Sales,Sales[Total Sales],@.40)
- D. Add a new percentile line that uses Total Sales as the measure and 40% as the percentile.
- E. Add a measure to the visual that uses the following DAX expression
- F. Measure = PERCENTILEX.INC (Sales,Sales[Total Sales],6.40)

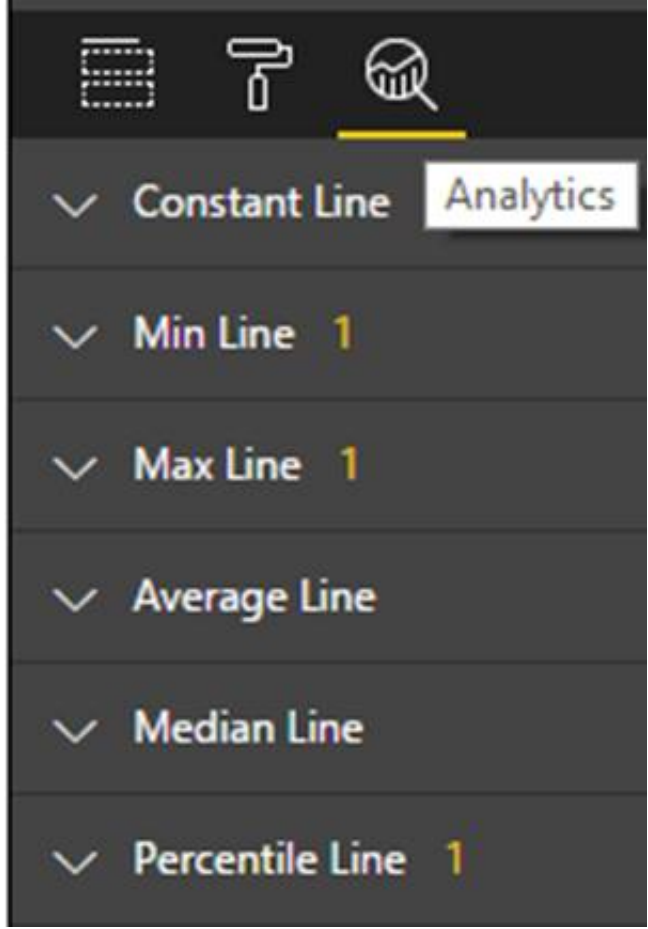
**Answer:** C

**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



^
Percentile Line
1

myPercentile

×

+ Add

Measure

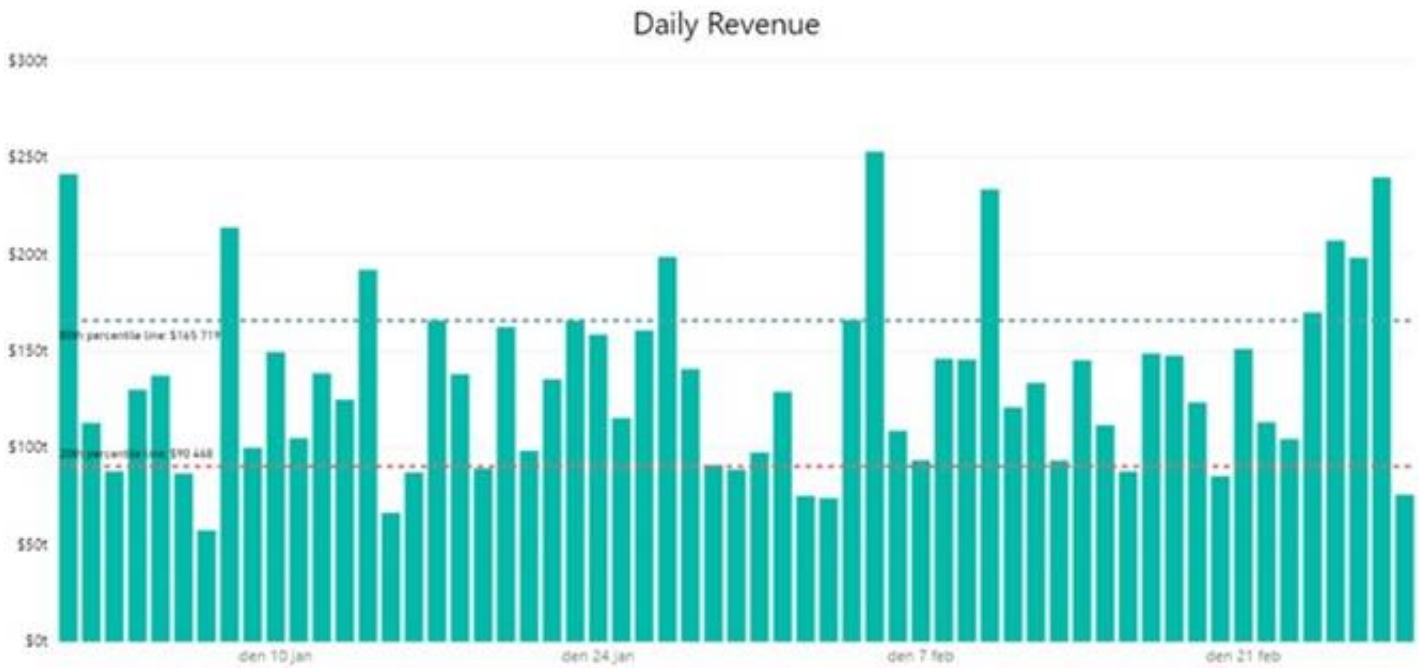
Revenue

Perc..

90 %

Color

Add percentile lines to monitor daily revenue



NEW QUESTION 322

- (Topic 4)

You have a CSV file that contains user complaints. The file contains a column named Logged. Logged contains the date and time each complaint occurred. The data in Logged is in the following format: 2018-12-31 at 08:59. You need to be able to analyze the complaints by the logged date and use a built-in date hierarchy. What should you do?

- A. Create a column by example that starts with 2018-12-31.
- B. Apply a transformation to extract the last 11 characters of the Logged column and set the data type of the new column to Date.
- C. Apply a transformation to extract the first 11 characters of the Logged column.
- D. Split the Logged column by using at as the delimiter.

Answer: C

Explanation:

According to Microsoft Certified: Power BI Data Analyst Associate1, Power Query Editor is a tool that lets you connect to one or many data sources, shape and transform the data to meet your needs, then load that model into Power BI Desktop2. One of the transformations you can perform in Power Query Editor is extract date from text, which creates a date value from a textual representation3. For example, given a text column like this:

Logged

2018-12-31 at 08:59

2019-01-01 at 09:15

You can extract the date part by using the Date.FromText function with a specific format4. The result will be:

Logged Date

2018-12-31 at 08:59

2018-12-31

2019-01-01 at 09:15

2019-01-01

This makes it possible to use a built-in date hierarchy for analysis.

NEW QUESTION 325

- (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

Each Customer ID represents a unique customer in the Customer table. Each Address ID represents a unique address in the Address table. 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. Append 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. Merge the Customer and Address tables.

**Answer:** D

#### NEW QUESTION 328

- (Topic 4)

You import a large dataset to Power Query Editor.

You need to identify whether a column contains only unique values.

Which two Data Preview options can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point

- A. Show whitespace
- B. Column distribution
- C. Column profile
- D. Column quality
- E. Monospaced

**Answer:** AD

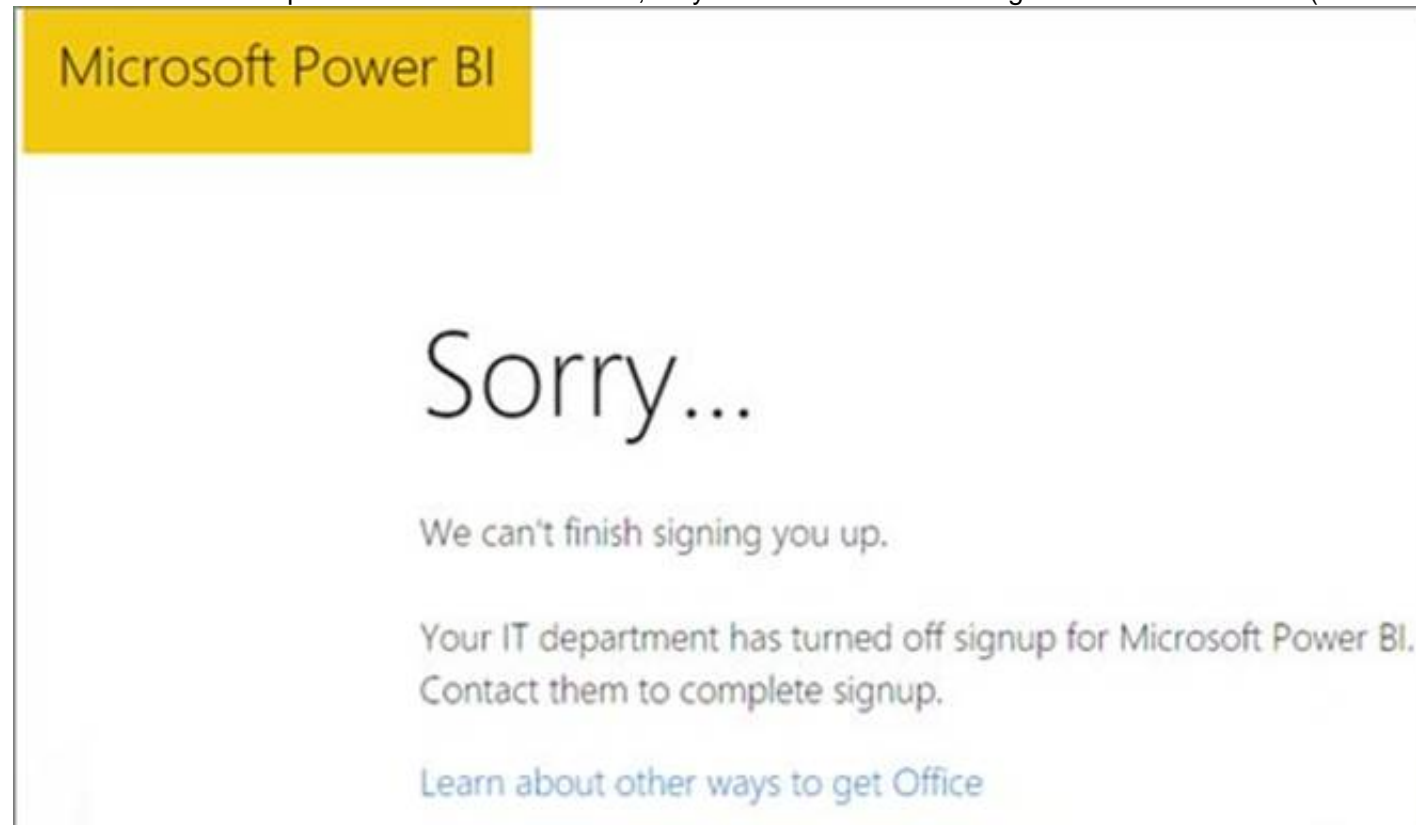
#### NEW QUESTION 332

- (Topic 4)

Your organization has a team of power users who recently created 20 Power BI dashboards.

The power users share the dashboards with other users in the organization.

When the users attempt to access the dashboards, they receive the error message shown in the exhibit. (Click the Exhibit.)



You need to ensure that all the users can access the dashboards. What should you do first?

- A. From the Microsoft Office 365 Admin center, and the Power BI (free) subscription, and then assign a license to each user.
- B. From the Power BI Admin portal, modify the Privacy Settings.
- C. From the properties of each dashboard, modify the Share dashboard settings.
- D. Instruct each user to install Microsoft Office 2016.

**Answer:** A

#### Explanation:

References: <http://www.nubo.eu/en/blog/2016/12/Enable-PowerBI-On-Office-365/>

#### NEW QUESTION 335

- (Topic 4)

You build a Power BI report that displays IoT temperature data streaming from a refrigerator.

You publish the report to the Power BI service.

You need to be notified when the temperature rises above four degrees Celsius. What should you do?

- A. Set an alert on a KPI visual in the report.
- B. Pin a card visual to a dashboard and create a subscription.
- C. Pin a card visual to a dashboard and set an alert on the tile.
- D. Pin a report page to a dashboard and set an alert on the page.

**Answer:** A

#### NEW QUESTION 340

- (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 344

- (Topic 4)

You have a Power BI report named ReportA.

You have a Power BI tenant that allows users to export data.

You need to ensure that consumers of ReportA cannot export any data from visuals.

Which two actions should you perform? Each correct answer presents a complete solution. NOTE Each correct selection is worth one point.

- A. From Power BI Desktop, modify the Data Load settings
- B. From the Power BI service, modify the Report settings.
- C. From Power BI Desktop, modify the Report settings
- D. From the Power BI service, modify the dataset permissions.

**Answer:** BD

#### NEW QUESTION 349

- (Topic 4)

You are creating a sales report in Power BI for the NorthWest region sales territory of your company. Data will come from a view in a Microsoft SQL Server database. A sample of the data is shown in the following table:

| ID | ProductKey | OrderDate  | ShipDate   | CustomerKey | SalesTerritoryRegion | SalesOrderNumber | SalesOrderLineNumber | OrderQuantity | UnitPrice | SalesAmount | TaxAmount | Freight |
|----|------------|------------|------------|-------------|----------------------|------------------|----------------------|---------------|-----------|-------------|-----------|---------|
| 1  | 310        | 2010-12-29 | 2011-01-05 | 21768       | Canada               | SO43697          | 1                    | 1             | 3578.27   | 3578.27     | 286.2616  | 89.4568 |
| 2  | 346        | 2010-12-29 | 2011-01-05 | 27365       | France               | SO43698          | 1                    | 1             | 3399.99   | 3399.99     | 271.9992  | 84.9998 |
| 3  | 346        | 2010-12-29 | 2011-01-05 | 76537       | NorthWest            | SO43699          | 1                    | 1             | 3399.99   | 3399.99     | 271.9992  | 84.9998 |
| 4  | 336        | 2010-12-29 | 2011-01-05 | 34256       | SouthWest            | SO43700          | 1                    | 1             | 699.0962  | 699.0962    | 55.9279   | 17.4775 |
| 5  | 346        | 2010-12-29 | 2011-01-05 | 34253       | Australia            | SO43701          | 1                    | 1             | 3399.99   | 3399.99     | 271.9992  | 84.9998 |
| 6  | 311        | 2010-12-30 | 2011-01-06 | 12543       | SouthWest            | SO43702          | 1                    | 1             | 3578.27   | 3578.27     | 286.2616  | 89.4568 |
| 7  | 310        | 2010-12-30 | 2011-01-06 | 76545       | Australia            | SO43703          | 1                    | 1             | 3578.27   | 3578.27     | 286.2616  | 89.4568 |

The report will facilitate the following analysis:

- The count of orders and the sum of total sales by Order Date
- The count of customers who placed an order
- The average quantity per order

You need to reduce data refresh times and report query times.

Which two actions should you perform? Each correct answer presents part of the solution NOTE: Each correct selection is worth one point.

- A. Filter the data to only the NorthWest region sales territory.
- B. Remove the CustomerKey and ProductKey columns.
- C. Remove the TaxAmt and Freight columns.
- D. Set the data type for SalesOrderNumber to Decimal Number

**Answer:** AC

#### NEW QUESTION 354

- (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-strategy>

**NEW QUESTION 359**

- (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

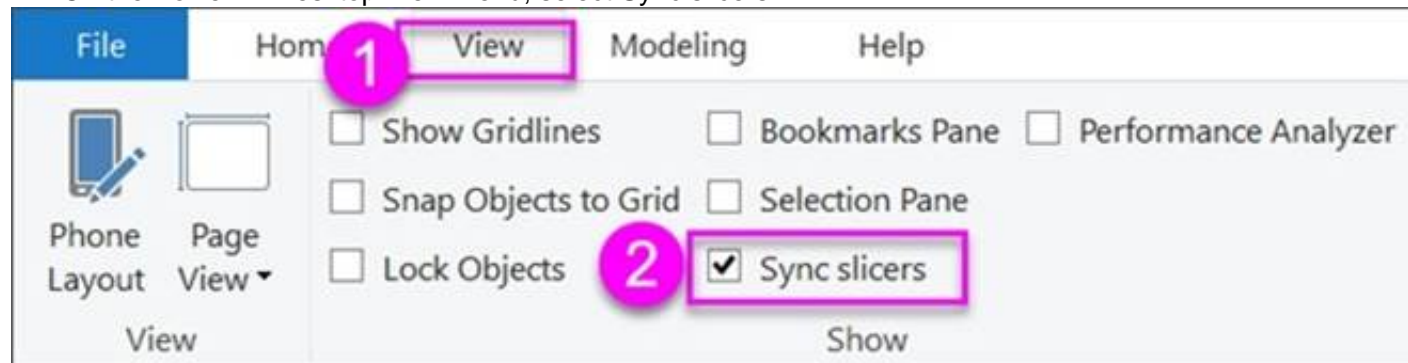
**Explanation:**

Add a report-level filter to filter an entire report.

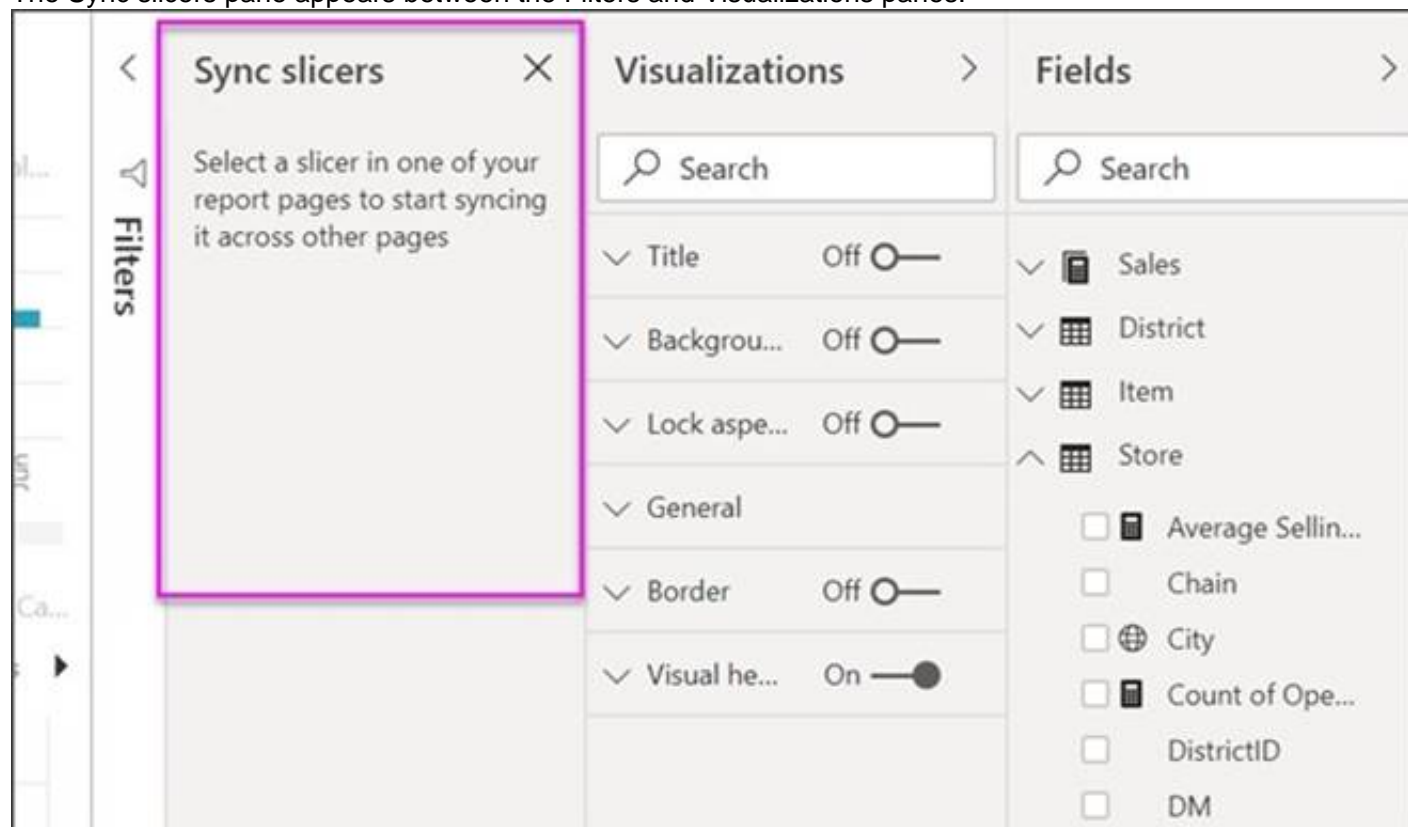
The visuals on the active page, and on all pages in the report, change to reflect the new filter.

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 362**

- (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 363**

- (Topic 4)

You plan to develop a Power BI report that has a bar chart to display the number of customers by location. You have a table named Customer that has the following columns:

- Customer ID
- CustomerName
- Address
- City
- ProvState
- Country

You need to allow users to drill down by location. The report will display the number of each customer by Country, and drill down to ProvState, and then to City. How should you configure the drill down in the bar chart?

- A. In the Value field, add Countr
- B. In the Legend field, add ProvState at the top, followed by City.
- C. In the Legend field, add Countr
- D. In the Axis field, add ProvState at the top, followed by City.
- E. In the Axis field, add Country at the top, followed by ProvState, and then City.
- F. In the Value field, add Country at the top, followed by ProvState, and then City.

**Answer: C**

**Explanation:**

References:

<https://docs.microsoft.com/en-us/power-bi/guided-learning/visualizations#step-18> <https://docs.microsoft.com/en-us/power-bi/power-bi-visualization-drill-down>

**NEW QUESTION 366**

- (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: A**

**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 371**

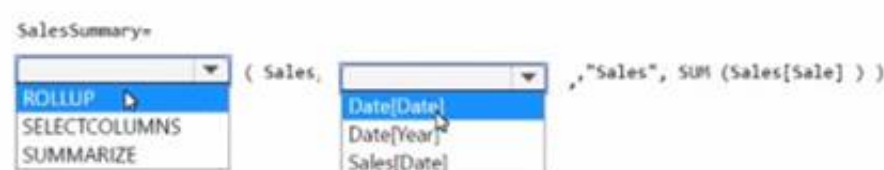
HOTSPOT - (Topic 4)

You have a Power BI model that contains the following data.

| Table name | Column name | Description    | Data type      |
|------------|-------------|----------------|----------------|
| Date       | Date        | Calendar date  | Date           |
|            | Month       | Calendar month | Text           |
|            | Year        | Calendar year  | Integer        |
| Sales      | Sale        | Sales value    | Decimal number |
|            | Date        | Calendar date  | Date           |

The Date table relates to the Sales table by using the Date columns. You need to create a calculated table that v/ill contain the following:

Answer Area



- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Answer Area



**NEW QUESTION 373**

- (Topic 4)

You import a Power BI dataset that contains the following tables:

- Date
- Product
- Product Inventory

The Product inventory table contains 25 million rows. A sample of the data is shown in the following table.

| ProductKey | DateKey  | MovementDate | UnitCost | UnitsIn | UnitsOut | UnitsBalance |
|------------|----------|--------------|----------|---------|----------|--------------|
| 167        | 20101228 | 28-Dec-10    | 0.19     | 0       | 0        | 875          |
| 167        | 20101229 | 29-Dec-10    | 0.19     | 0       | 0        | 875          |
| 167        | 20110119 | 19-Jan-11    | 0.19     | 0       | 0        | 875          |
| 167        | 20110121 | 21-Jan-11    | 0.19     | 0       | 0        | 875          |
| 167        | 20110122 | 22-Jan-11    | 0.19     | 0       | 0        | 875          |

The Product Inventory table relates to the Date table by using the DateKey column. The Product inventory table relates to the Product table by using the ProductKey column. You need to reduce the size of the data model without losing information. What should you do?

- A. Change Summarization for DateKey to Don't Summarize.
- B. Change the data type of UnitCost to Integer.
- C. Remove the relationship between Date and Product Inventory.
- D. Remove MovementDate.

**Answer:** D

**NEW QUESTION 378**

- (Topic 4)

You have a Power BI workspace that contains a dataset, a report, and a dashboard. The following groups have access:

- External users can access the dashboard.
- Managers can access the dashboard and a manager-specific report.
- Employees can access the dashboard and a row-level security (RLS) constrained report. You need all users, including the external users, to be able to tag workspace administrators if they identify an issue with the dashboard. The solution must ensure that other users see the issues that were raised. What should you use?

- A. subscriptions
- B. comments
- C. alerts
- D. chat in Microsoft Teams

**Answer:** A

**NEW QUESTION 382**

- (Topic 4)

A manager can represent only a single country.

You need to use row-level security (RLS) to meet the following requirements: The managers must only see the data of their respective country.

The number of RLS roles must be minimized.

Which two actions should you perform? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A. Create a single role that filters Country[Manager\_Email] by using the USERNAME DAX function.
- B. Create a single role that filters Country[Manager\_Email] by using the USEROBJECTID DAX function.
- C. For the relationship between Purchase Detail and Purchase, select Apply security filter in both directions.
- D. Create one role for each country.
- E. For the relationship between Purchase and Purchase Detail, change the Cross filter direction to Single.

**Answer:** AC

**Explanation:**

In Power BI Service the username and userprincipalname both return the email address, it's only in Power BI Desktop that username is domain/username rather than the email address. So I agree that userprincipalname is better generally as you always get the same value, the answer is correct and you can use username as your RLS since the role will be applied in the Service. See <https://community.powerbi.com/t5/Community-Blog/USERNAME-v-s-USERPRINCIPALNAME-in-RLS-for-Power-BI-Embedded/ba-p/1867670> for more information.

**NEW QUESTION 385**

- (Topic 4)

You are creating a Power BI model that contains a table named Store. Store contains the following fields.

You plan to create a map visual that will show store locations and provide the ability to drill down from Country to State/Province to City. What should you do to ensure that the locations are mapped properly?

- A. Set the data category of Cit
- B. State/Province, and Country.
- C. Set Summarization for Cit
- D. State/Province, and Country to Don't summarize
- E. Change the data type of Cit
- F. State/Province, and Country.
- G. Create a calculated column that concatenates the values it City, State/Province, and Country.

Answer: A

NEW QUESTION 390

HOTSPOT - (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

Search

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.

NEW QUESTION 394

- (Topic 4)



| GeoCode | CustomerCount |
|---------|---------------|
| CA      | 9530          |
| AR      | 540           |
| MA      | 2300          |
| SD      | 1200          |
| PA      | 340           |
| NC      | 890           |

- A. Replace the values in the GeoCode column with postal codes or zip codes.
- B. Change the name of the GeoCode column to Country.
- C. Change the name of the Location table to Country.
- D. Change the Default Summarization of the GeoCode column.
- E. Add a Geoportal column to the Location table.
- F. Change the Data Type of the GeoCode column.

<https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-map-tips-and-tricks>

You use Power BI Desktop to create a Power BI data model and a blank report. You need to add the Word Cloud visual shown in the following exhibit to the report.



The solution must minimize development effort  
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

From Power BI Desktop, get the Word Cloud visual from Microsoft AppSource.

From a web browser, download the PBIVIZ file for the Word Cloud visual from Microsoft AppSource.

Format the data colors and title.

Populate the drillthrough fields.

Populate the Category, Value, and Excludes fields.

➤

➤

➤

Answer Area

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

From Power BI Desktop, get the Word Cloud visual from Microsoft AppSource.

From a web browser, download the PBIVIZ file for the Word Cloud visual from Microsoft AppSource.

Format the data colors and title.

Populate the drillthrough fields.

Populate the Category, Value, and Excludes fields.

➤

➤

➤

Answer Area

From a web browser, download the PBIVIZ file for the Word Cloud visual from Microsoft AppSource.

Populate the drillthrough fields.

Format the data colors and title.

NEW QUESTION 399

HOTSPOT - (Topic 4)  
You publish a dataset that contains data from an on-premises Microsoft SQL Server database.  
The dataset must be refreshed daily.  
You need to ensure that the Power BI service can connect to the database and refresh the dataset.  
Which four 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

Actions

Add a data source.

Configure an on-premises data gateway.

Configure a virtual network data gateway.

Configure a scheduled refresh.

Add the dataset owner to the data source.

➤

➤

➤

Answer Area

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Configure an on-premises data gateway.

Configure a scheduled refresh.

Add a data source.

Add the dataset owner to the data source.

NEW QUESTION 403

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