Microsoft

Exam Questions PL-300

Microsoft Power BI Data Analyst

NEW QUESTION 1
- (Exam Topic 2)
You need to calculate the last day of the month in the balance sheet data to ensure that you can relate the balance sheet data to the Date table. Which type of calculation and which formula should you use? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

Type of calculation:
- A DAX calculated column
- A DAX calculated measure
- An M custom column

Formula:
- Date.EndOfMonth(#date([Year], [Month], 1))
- Date.EndOfQuarter(#date([Year], [Month], 1))
- ENDOFQUARTER(DATE('BalanceSheet'[Year],BalanceSheet[Month],1),0)

Solution:
Box 1: A DAX Calculated measure
Box 2: Date.EndofQuarter(#date([Year],[Mont],1))
ENDOFQUARTER returns the last date of the quarter in the current context for the specified column of dates. The following sample formula creates a measure that returns the end of the quarter, for the current context.
= ENDOFQUARTER(DateTime[DateKey]) Reference:
https://docs.microsoft.com/en-us/dax/endofquarter-function-dax

Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 2
- (Exam Topic 2)
How should you distribute the reports to the board? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

Grant access by:
- Sharing individual reports
- Using a workspace membership
- Using an app

Grant access to:
- A dynamic distribution list
- A mail-enabled security group
- Individual user emails

Solution:
Box 1: Using a workspace membership Scenario:
The company wants to provide a single package of reports to the board that contains custom navigation and links to supplementary information.
Note: Workspace is a shared environment for a group of people. You can have multiple Power BI content in a workspace. One workspace can have hundreds of dashboards, reports, and datasets in it.
Box 2: A mail-enabled security group Scenario: Security Requirements
The reports must be made available to the board from powerbi.com. A mail-enabled security group will be used to share information with the board.

Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 3
- (Exam Topic 4)
You receive revenue data that must be included in Microsoft Power BI reports.
You perform an initial load of the data from a Microsoft Excel source as shown in the following exhibit.

Column1	Column2	Column3	Column4	Column5	Column6
● Valid 100%	● Valid 100%	● Valid 100%	● Valid 100%	● Valid 100%	● Valid 100%
● Error 0%	● Error 0%	● Error 0%	● Error 0%	● Error 0%	● Error 0%
● Empty 0%	● Empty 0%	● Empty 0%	● Empty 0%	● Empty 0%	● Empty 0%
1 Department	Product	2016	2017	2018	2019
2 Bikes	Carbon mountainbike	1002815	1006612	1007814	1007239
3 Bikes	Aluminium road bike	1007094	1003454	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	80136	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

Solution:
Text Description automatically generated with medium confidence
Step 1: Select Use Header as First Row.
Step 2: Select Department and Product and Unpivot Other Columns
Unpivot Other Columns: This command unpivots unselected columns. Use this command in a query when not all columns are known. New columns added during a refresh operation are also unpivoted.
Step 3: Rename the Attribute column to Year and the Value column to Revenue.
You might want to unpivot data, sometimes called flattening the data, to put it in a matrix format so that all similar values are in one column. This is necessary, for example, to create a chart or a report.
Chart Description automatically generated with medium confidence
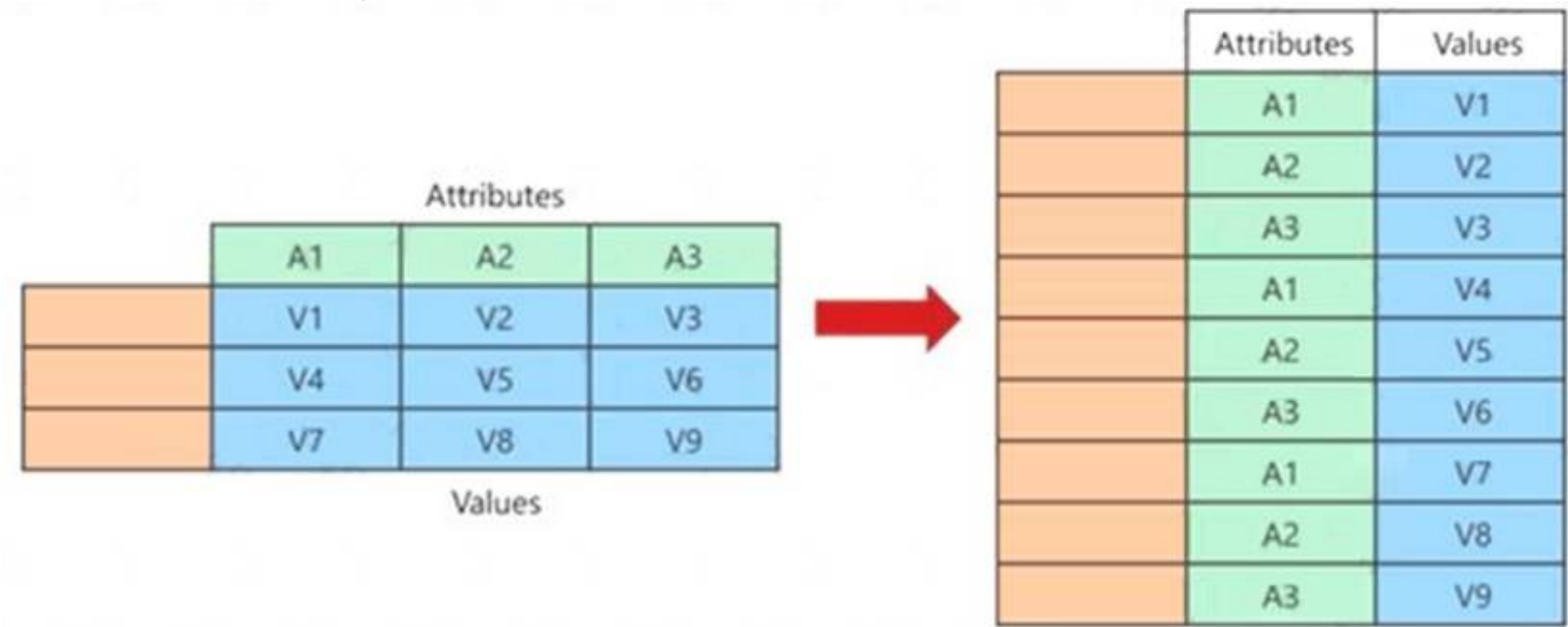
When you unpivot, you unpack the attribute-value pairs that represent an intersection point of the new columns and re-orient them into flattened columns:
Values (in blue on the left) are unpivoted into a new column (in blue on the right).
Attributes (in green on the left) are unpivoted into a new column (in green on the right) and duplicates are correspondingly mapped to the new Values column.
Reference:
https://support.microsoft.com/en-us/office/unpivot-columns-power-query-0f7bad4b-9ea1-49c1-9d95-f588221c7

Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 4

- (Exam Topic 4)
You are developing a sales report that will have multiple pages. Each page will answer a different business question.
You plan to have a menu page that will show all the business questions.
You need to ensure that users can click each business question and be directed to the page where the question is answered. The solution must ensure that the menu page will work when deployed to any workspace.
What should you include on the menu page?

A. Create a text box for each business question and insert a link.
B. Create a button for each business question and set the action type to Bookmark.
C. Create a Power Apps visual that contains a drop-down lis
D. The drop-down list will contain the business questions.

Answer: B

Explanation:
When you create a bookmark, the following elements are saved with the bookmark: - The current page - Filters - Slicers, including slicer type (for example, dropdown or list) and slicer state - Visual selection state (such as cross-highlight filters) - Sort order - Drill location - Visibility of an object (by using the Selection pane) - The focus or Spotlight modes of any visible object

NEW QUESTION 5
- (Exam 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 6
- (Exam 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
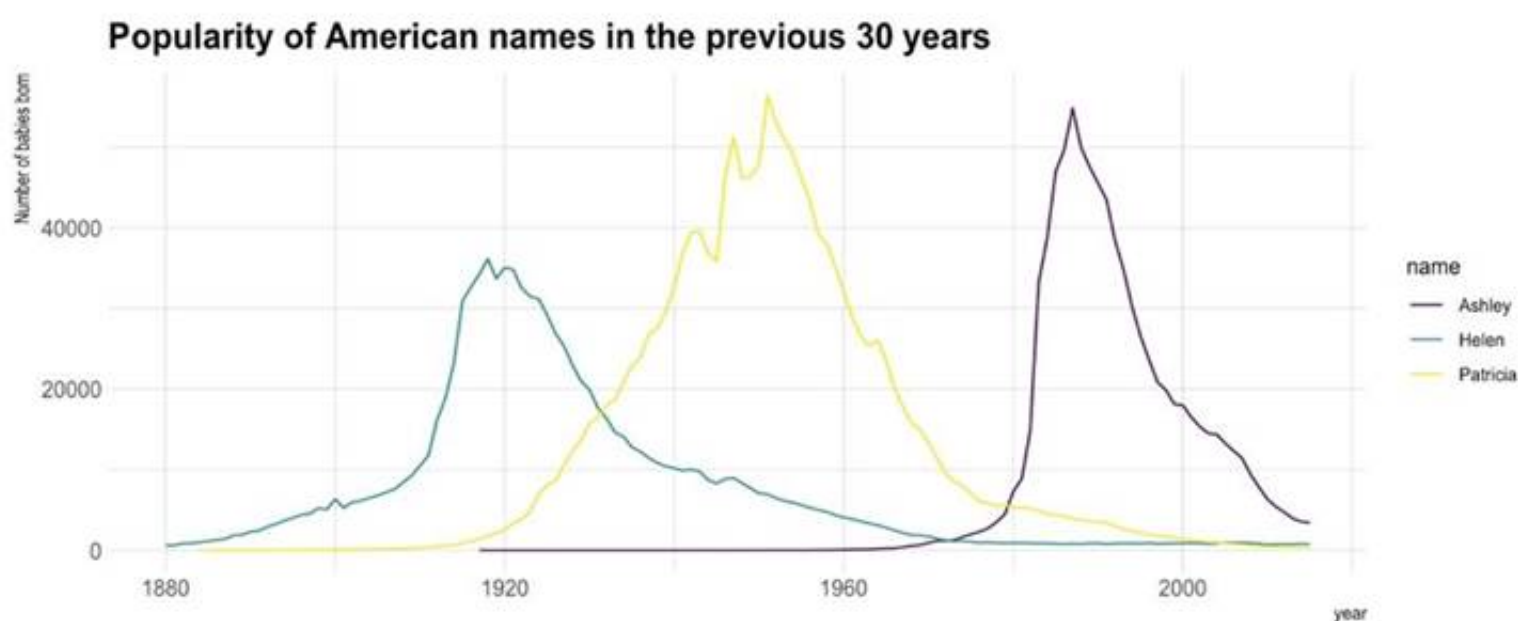
NEW QUESTION 7
- (Exam Topic 4)
You have more than 100 published datasets.
Ten of the datasets were verified to meet your corporate quality standards.
You need to ensure that the 10 verified datasets appear at the top of the list of published datasets whenever users search for existing datasets.
What should you do?

A. Publish the datasets in an app.

B. Promote the datasets.
C. Feature the dataset on the home page.
D. Certify the datasets.

Answer: A

NEW QUESTION 8
- (Exam Topic 4)
You are creating a column chart visualization.
You configure groups as shown in the Groups exhibit. {Click the Groups tab.)

The visualization appears as shown in the Chart exhibit. (Click the Chart tab.)
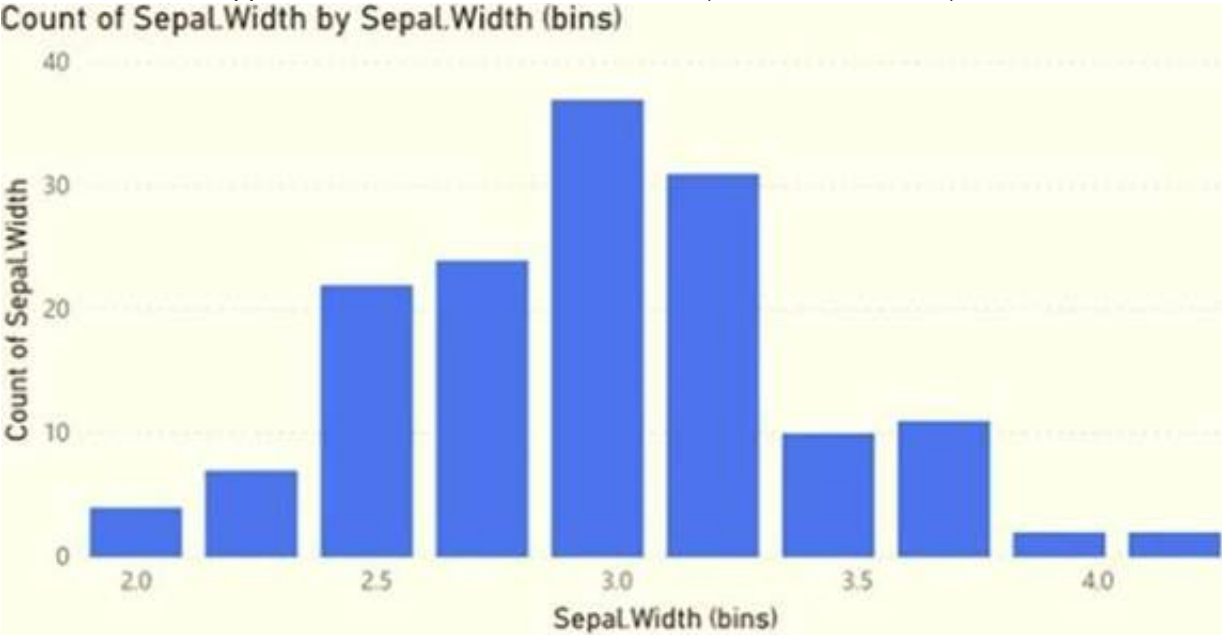
For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
The data is segmented into 10 groups.	○	○
The data was split into deciles.	○	○
To increase the bin size, you must decrease the bin count.	○	○

Solution:

Answer Area

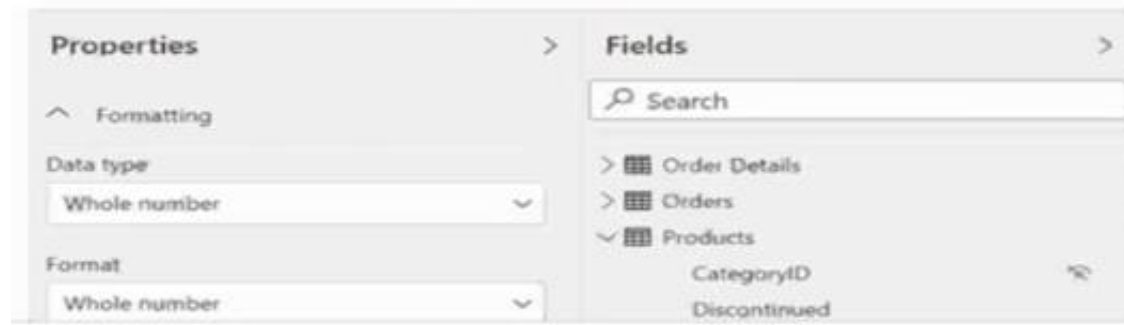| Statements	Yes	No
The data is segmented into 10 groups.	○	○
The data was split into deciles.	○	○
To increase the bin size, you must decrease the bin count.	○	○

Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 9
- (Exam Topic 4)
You have a column named UnitsInStock as shown in the following exhibit

Solution:

Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 10
- (Exam Topic 4)
You create a dashboard by using the Microsoft Power BI Service. The dashboard contains a card visual that shows total sales from the current year. You grant users access to the dashboard by using the viewer role on the workspace. A user wants to receive daily notifications of the number shown on the card visual. You need to automate the notifications. What should you do?

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

Answer: C

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

> Decide how often you want to receive the emails: daily, weekly, hourly, monthly, or once a day after the initial data refresh.

> Choose the time you want to receive the email, if you choose daily, weekly, hourly, or monthly. Note: Email subscriptions don't support most custom visuals. The one exception is those custom visuals that
have been certified.
Email subscriptions don't support R-powered custom visuals at this time. Reference:
https://docs.microsoft.com/en-us/power-bi/collaborate-share/service-report-subscribe https://docs.microsoft.com/en-us/power-bi/create-reports/service-set-data-alerts

NEW QUESTION 11
- (Exam Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this scenario, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You have a clustered bar chart that contains a measure named Salary as the value and a field named Employee as the axis. Salary is present in the data as numerical amount representing US dollars.
You need to create a reference line to show which employees are above the median salary. Solution: You create a percentile line by using the Salary measure and set the percentile to 50%. Does this meet the goal?

A. Yes
B. No

Answer: A

Explanation:
The 50th percentile is also known as the median or middle value where 50 percent of observations fall below. Reference:
https://dash-intel.com/powerbi/statistical_functions_percentile.php

NEW QUESTION 12
- (Exam Topic 4)
You are building a dataset from a JSON file that contains an array of documents.
You need to import attributes as columns from all the documents in the JSON file. The solution must ensure that date attributes can be used as date hierarchies in Microsoft Power BI reports.
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions

Actions	Answer Area
Expand the columns.	
Expand the records.	
Add columns that use data type conversions.	
Set the data types.	
Convert the list to a table.	

Solution:
* 1- Convert list to table
* 2- Expand Column
* 3- Set Date type
Here is an example: https://youtu.be/B4kzyxnhQfI The definition of the function which expand columns:
https://docs.microsoft.com/en-us/powerquery-m/table-expandrecordcolumn

Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 13
- (Exam Topic 4)
You have the Power Bi dashboard shown in the Dashboard exhibit (Click the Dashboard tab.)
You need to ensure that when users view the dashboard on a mobile device, the dashboard appears as shown in the Mobile exhibit. (Click the Mobile tab.)
What should you do? To answer, select the appropriate options m the answer area NOTE: Each correct selection is worth one point.

Solution:
Answer as selected

Answer Area

Update the layout in the: Report mobile layout ▼

Resize and move: The Total Sales by Parent Category tile ▼

Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 14
- (Exam Topic 4)
You build a report to help the sales team understand its performance and the drivers of sales. The team needs to have a single visualization to identify which factors affect success. Which type of visualization should you use?

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

Answer: A

Explanation:
The key influencers visual helps you understand the factors that drive a metric you're interested in. It analyzes
your data, ranks the factors that matter, and displays them as key influencers. The key influencers visual is a great choice if you want to:

≫ See which factors affect the metric being analyzed.

≫ Contrast the relative importance of these factors. For example, do short-term contracts have more impact on churn than long-term contracts?
Reference:
https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-influencers

NEW QUESTION 15
- (Exam Topic 4)
You have a Power BI table named Customer that contains a field named Email Address. You discover that multiple records contain the same email address.
You need to create a calculated column to identify which records have duplicate email addresses.
How should you complete the OAX expression for the calculated column? 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.

Solution:

Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 16
- (Exam Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You are modeling data by using Microsoft Power BI. Part of the data model is a large Microsoft SQL Server table named Order that has more than 100 million records.
During the development process, you need to import a sample of the data from the Order table. Solution: You add a WHERE clause to the SQL statement.
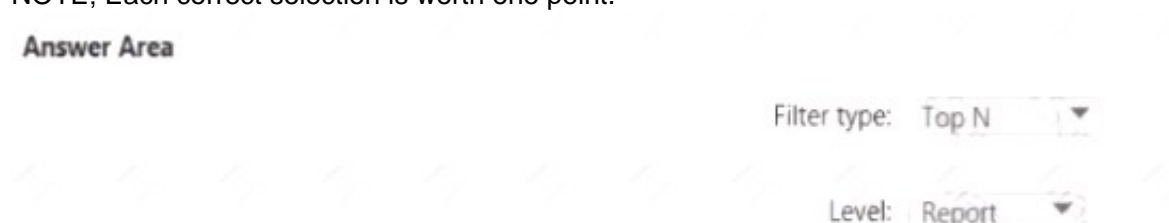Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 17
- (Exam Topic 4)
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.

Answer Area

Filter type: Top N   ▼

Level: Report   ▼

Solution:

Answer Area

Filter type: Top N   ▼

Level: Report   ▼

Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 18
- (Exam Topic 4)
You have a Power B1 report that contains three pages named Page1, Page2, and Page3. All the pages have the same slicers. You need to ensure that all the filters applied to Page1 apply to Page1 and Page3 only. What should you do?

A. Sync the slicers on Page1 and Page3
B. On each page, modify the interactions of the slicer.
C. Enable visibility of the slicers on Page1 and Page3. Disable visibility of the slicer on Page2.

Answer: B

NEW QUESTION 19
- (Exam Topic 4)
In Power Bi Desktop, you are creating visualizations in a report based on an imported dataset
You need to allow Power Bi users to export the summarized data used to create the visualizations but prevent the users from exporting the underlying data
What should you do?

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

Answer: B

NEW QUESTION 20
- (Exam Topic 4)
From Power 61 Desktop, you publish a new dataset and report lo a Power BI workspace. The dataset has a row-level security (RLS) role named HR. You need to ensure that the HR team members have RLS applied when they view reports based on the dataset. What should you do?

A. From Power BI Desktop, change the Row-Level Security settings.
B. From Power BI Desktop, import a table that contains the HR team members
C. From powerbi.com.add users to the HR role for the dataset.
D. From powerbi.com, share the dataset to the HR team members.

Answer: C

NEW QUESTION 21
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