

Microsoft

Exam Questions DA-100

Analyzing Data with Microsoft Power BI



NEW QUESTION 1

- (Exam Topic 1)

You need to create a relationship between the Weekly_Returns table and the Date table to meet the reporting requirements of the regional managers. What should you do?

A. In the Weekly_Returns table, create a new calculated column named date-id in a format of yyyyymmdd and use the calculated column to create a relationship to the Date table.

B. Add the Weekly_Returns data to the Sales table by using related DAX functions.

C. Create a new table based on the Date table where date-id is unique, and then create a many-to-many relationship to Weekly_Return.

Answer: A

NEW QUESTION 2

- (Exam 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: ☐ Card
☐ Donut chart
☐ Gauge
☐ Key influencers
☐ KPI

Indicator: ☐ Date[month]
☐ Sales[sales_amount]
☐ Sales[sales_id]
☐ Targets[sales_target]
☐ Weekly_Returns[total_returns]

Trend axis: ☐ Date[month]
☐ Sales[sales_amount]
☐ Sales[sales_id]
☐ Targets[sales_target]
☐ Weekly_Returns[total_returns]

Target goals: ☐ Date[month]
☐ Sales[sales_amount]
☐ Sales[sales_id]
☐ Targets[sales_target]
☐ Weekly_Returns[total_returns]

These are the selections for Indicator

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Visualization type: ☐ Card
☐ Donut chart
☐ Gauge
☐ Key influencers
☐ KPI

Indicator: ☐ Date[month]
☐ Sales[sales_amount]
☐ Sales[sales_id]
☐ Targets[sales_target]
☐ Weekly_Returns[total_returns]

Trend axis: ☐ Date[month]
☐ Sales[sales_amount]
☐ Sales[sales_id]
☐ Targets[sales_target]
☐ Weekly_Returns[total_returns]

Target goals: ☐ Date[month]
☐ Sales[sales_amount]
☐ Sales[sales_id]
☐ Targets[sales_target]
☐ Weekly_Returns[total_returns]

These are the selections for Indicator

NEW QUESTION 3

- (Exam Topic 3)

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: B

NEW QUESTION 4

- (Exam Topic 3)

You are creating a Microsoft Power BI model that has two tables named CityData and Sales. CityData contains only the data shown in the following table.

State (CityData)	City	Population (million)
CA	Los Angeles	4.00
CA	San Francisco	0.90
New York	New York	8.50
WA	Seattle	0.70
WA	Spokane	0.20

Sales contains only the data shown in the following table.

State (Sales)	Type	Sales
CA	Internet	60
CA	Store	80
TX	Store	400
WA	Internet	150
WA	Store	100

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

In the Sales table, you can write a DAX expression that uses the RELATED() function to get data from the CityData table.

☐
☐

A DAX expression of sales total =CALCULATE(SUM(Sales[Sales]),ALL(Sales)) will produce the correct total sales value for each state, based on the data model.

☐
☐

A table visualization that uses cityData[State] and sales[sales] will contain sales from the state of TX.

☐
☐

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
In the Sales table, you can write a DAX expression that uses the RELATED() function to get data from the CityData table.	<input type="radio"/>	<input type="radio"/>
A DAX expression of sales total =CALCULATE(SUM(Sales[Sales]),ALL(Sales)) will produce the correct total sales value for each state, based on the data model.	<input type="radio"/>	<input type="radio"/>
A table visualization that uses cityData[state] and sales[sales] will contain sales from the state of TX.	<input type="radio"/>	<input type="radio"/>

NEW QUESTION 5

- (Exam Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

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

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

Solution: You create a new query that references DataSourceExcel. Does this meet the goal?

- A. Yes
- B. No

Answer: B

NEW QUESTION 6

- (Exam Topic 3)

You have a table that contains sales data and approximately 1,000 rows. You need to identify outliers in the table. Which type of visualization should you use?

- A. area chart
- B. donut chart
- C. scatter plot
- D. pie chart

Answer: D

NEW QUESTION 7

- (Exam Topic 3)

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

Choose a base value

Date

Choose a date

Period

Days

Periods before

1

Periods after

0

Fields

Search

Customer

Product

Sales

» Date

Gross Margin

Month

Σ MonthNumberOfYear

Σ Quarter

Σ Sales_SRC

» Time Intelligence

Total Cost

Total Order Qty

Total Sales

Total Sales rolling average

Unit Price

Σ 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:

Answer Area

Base value:

Month
Total Cost
Total Order Qty
Total Sales
Year

Date:

Date
Month
Total Sales
Year

Period:

Days
Months
Quarters
Years

NEW QUESTION 8

- (Exam Topic 3)
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 9

- (Exam Topic 3)
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

NEW QUESTION 10

- (Exam Topic 3)
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	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.

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:

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

Select **Use First Rows as Headers.**

Select Department and Product and **Unpivot Other Columns.**

Select **Use Headers as First Row.**

Select Department and Product and **Unpivot Columns.**

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

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

NEW QUESTION 10

- (Exam Topic 3)

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:

File Origin: Delimiter: Data Type Detection:

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

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 Based on first 200 rows will improve import times.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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

NEW QUESTION 11
 - (Exam Topic 3)

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 12

- (Exam Topic 3)

You have multiple dashboards.

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

What should you use?

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

Answer: A

NEW QUESTION 16

- (Exam Topic 3)

You have a Microsoft Power BI dashboard.

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

What should you use?

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

Answer: D

NEW QUESTION 19

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