



**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 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: C**

### NEW QUESTION 3

- (Exam Topic 1)

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

- A. a calculated column that use a formula of couMTA(Sales[sales\_id]>
- B. a calculated measure that uses a formula of couNTROws(Sales)
- C. a calculated column that uses a formula of suM(Sales[sales\_id])
- D. a measure that uses a formula of sw-i(Sales[sales\_id])

**Answer: B**

### NEW QUESTION 4

- (Exam Topic 1)

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

- A. FORMAT('Date'[date],"MMM YYYY")
- B. FORMAT(,Date,[date\_id],"WM YYYY")
- C. FORMAT('Date'[date],"M YY")
- D. FORMAT('Date'[date\_id]-"MM") & " " & FORMAT ('Date' [year], "#")

**Answer: D**

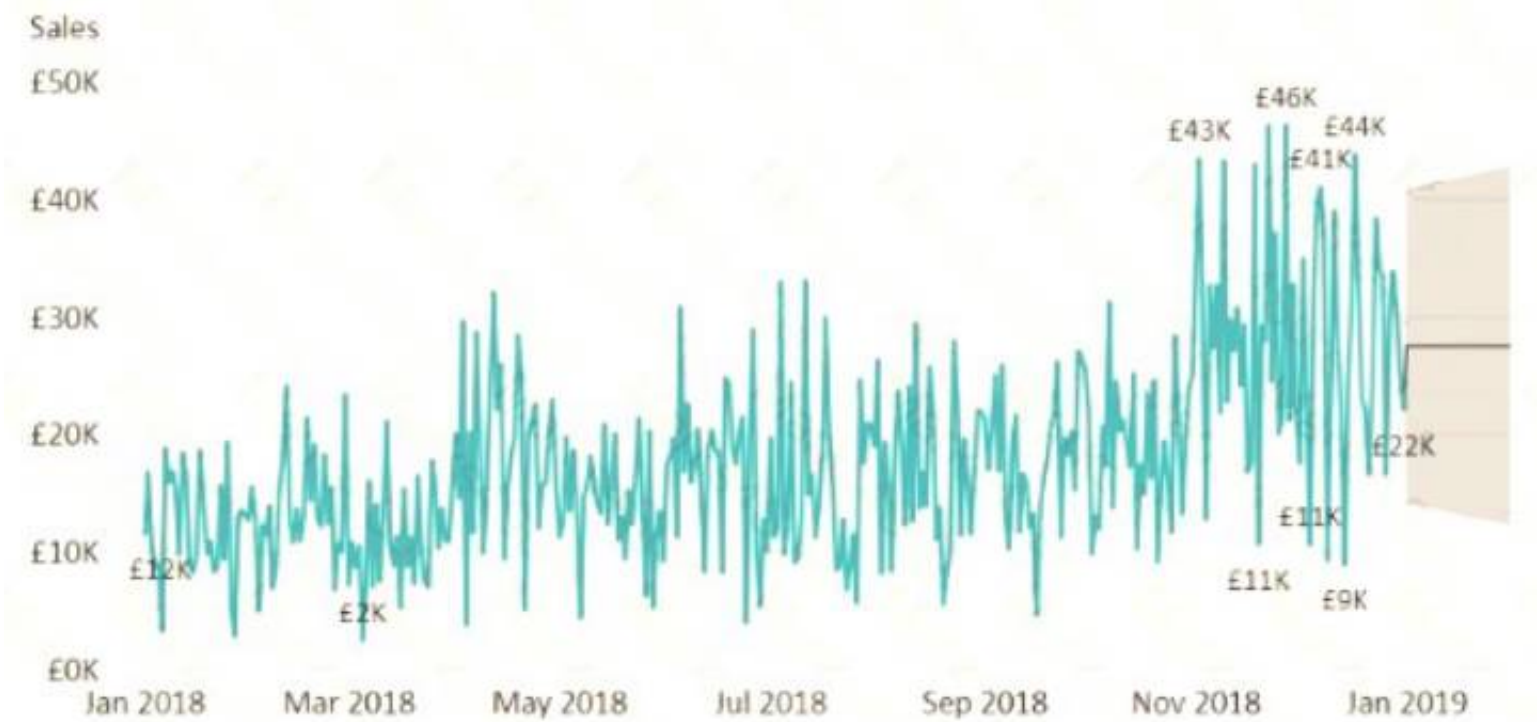
### NEW QUESTION 5

- (Exam Topic 3)

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: B

**NEW QUESTION 6**

- (Exam Topic 3)

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: A

**NEW QUESTION 7**

- (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 8**

- (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 report-level filter that filters based on the order date.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

#### NEW QUESTION 9

- (Exam Topic 3)

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:** A

#### NEW QUESTION 10

- (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 10

- (Exam Topic 3)

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:

**Roles**

AdminContributorMemberViewer

**Answer Area**

User1: Member

User2: Admin

#### NEW QUESTION 15

- (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

As data refreshes

### Date

As data refreshes

### 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:

Date:

Period:

- 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 17

- (Exam Topic 3)  
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.SplitTextByDelimiterf",", QuoteStyle.None),{"classes.1"})
- D. = Table.SplitColumn(Source, "classes". Splitter.SplitTextByPositions({10}), {"classes.1"})

Answer: D

NEW QUESTION 18

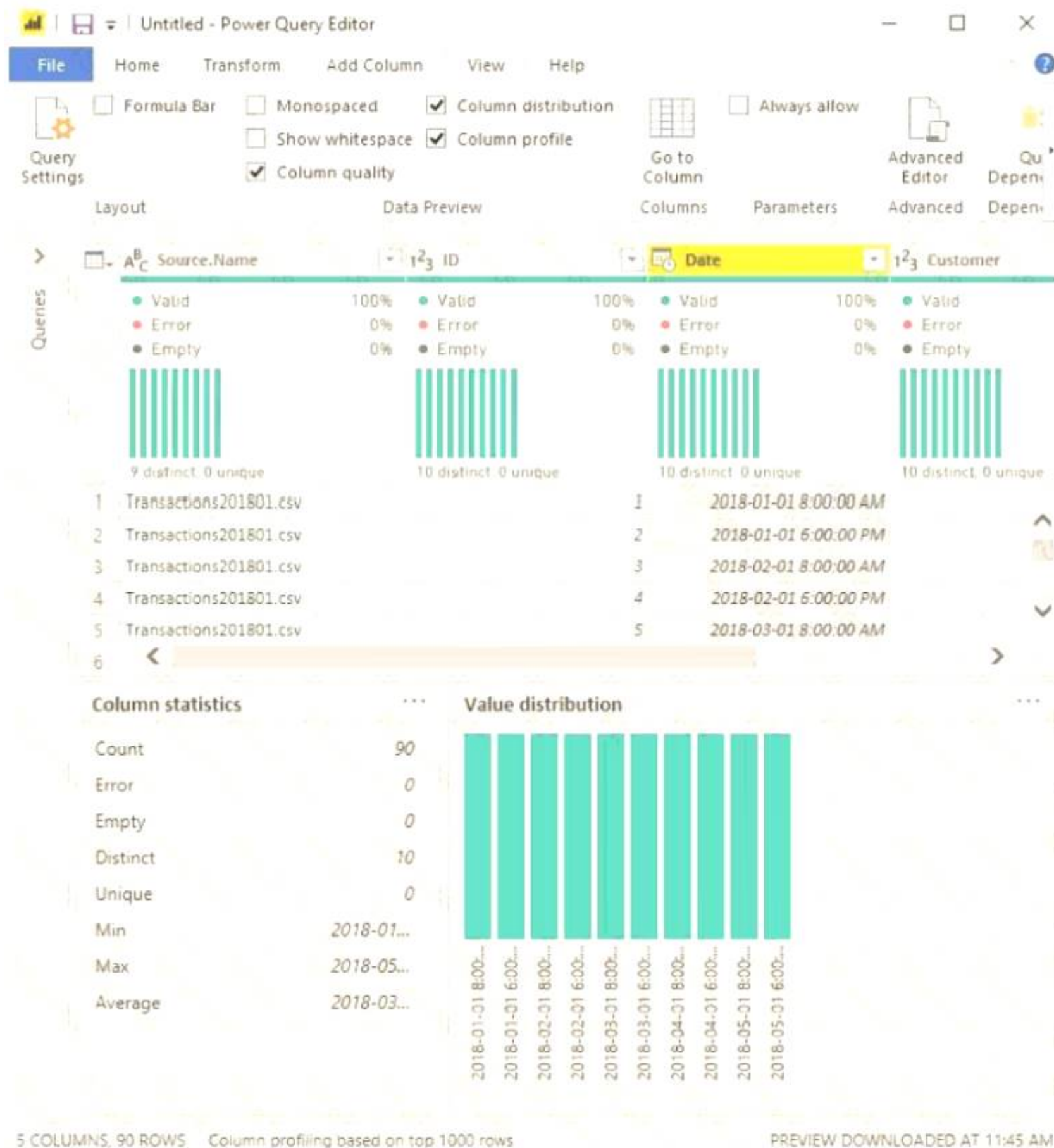
- (Exam Topic 3)  
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.  
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 add a Power Apps custom visual to the report. Does this meet the goal?

- A. Yes
- B. No

Answer: A

NEW QUESTION 21

- (Exam Topic 3)  
You view a query named Transactions as shown in the following exhibit.



The query gets CSV files from a folder.

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

#### Answer Area

There are [answer choice] CSV files:

- 9
- 10
- 25
- 90
- 1,000

Removing duplicates based on the Date column will reduce the dataset to

[answer choice] rows:

- 9
- 10
- 25
- 90
- 1,000

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

There are [answer choice] CSV files:

9

10

25

90

1,000

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

9

10

25

90

1,000

NEW QUESTION 23

- (Exam Topic 3)  
You have two Azure SQL databases that contain the same tables and columns.  
For each database, you create a query that retrieves data from a table named Customers.  
You need to combine the Customer tables into a single table. The solution must minimize the size of the data model and support scheduled refresh in powerbi.com.  
What should you do? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

Option to use to combine the Customer tables:

Append Queries

Append Queries as New

Merge Queries

Merge Queries as New

Action to perform on the original two SQL database queries:

Delete the queries.

Disable including the query in report refresh.

Disable loading the query to the data model.

Duplicate the queries.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Option to use to combine the Customer tables:

Append Queries

Append Queries as New

Merge Queries

Merge Queries as New

Action to perform on the original two SQL database queries:

Delete the queries.

Disable including the query in report refresh.

Disable loading the query to the data model.

Duplicate the queries.

NEW QUESTION 24

- (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: 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: B



#### NEW QUESTION 25

- (Exam Topic 3)

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:** A

#### NEW QUESTION 28

- (Exam Topic 3)

You have a Microsoft Power BI report. The size of PBIX file is 550 MB. The report is accessed by using an App workspace in shared capacity of powerbi.com.

The report uses an imported dataset that contains one fact table. The fact table contains 12 million rows. The dataset is scheduled to refresh twice a day at 08:00 and 17:00.

The report is a single page that contains 15 custom visuals and 10 default visuals.

Users say that the report is slow to load the visuals when they access and interact with the report. You need to recommend a solution to improve the performance of the report.

What should you recommend?

- A. Split the visuals onto multiple pages.
- B. Implement row-level security (RLS).
- C. Replace the default visuals with custom visuals.
- D. Increase the number of times that the dataset is refreshed.

**Answer:** A

#### NEW QUESTION 31

- (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 32

- (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 36

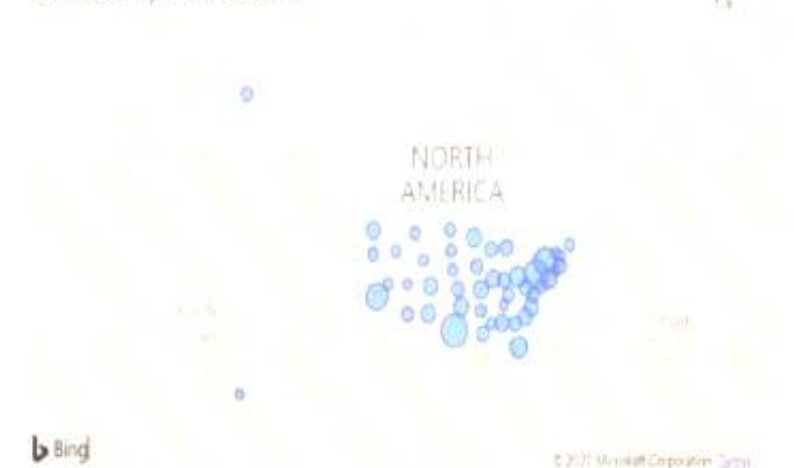
- (Exam Topic 3)

You have a report page that contains the visuals shown in the following exhibit.

## Order Summary

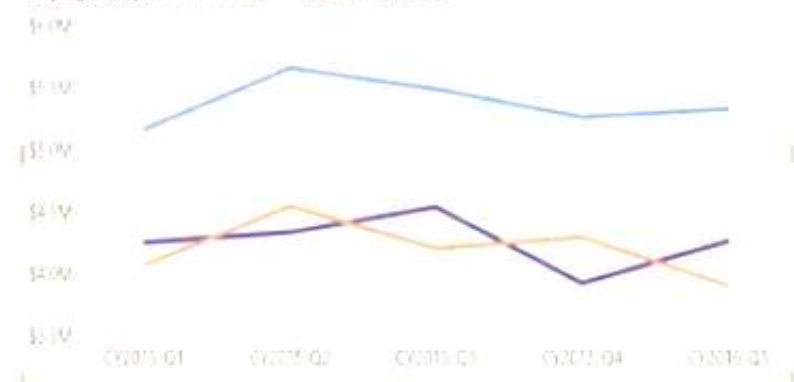
View By City View By State

Sales USD by Store Location



### Quarterly Sales USD by Buying Group

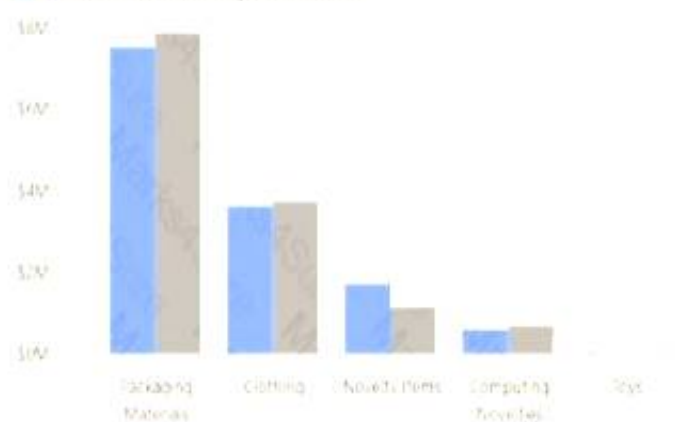
Buying Group: N.A. Tailspin Toys Wingtip Toys



Ask your data a question Get Power BI help

### Sales USD for Q1 2016 and Prior Year

Total Before Tax Same Quarter Last Year



### Top 10 Sales Associates

Employee	Total Before Tax	Order Count
Amy Telf	\$17,529,144	7,276
Anthony Luciani	\$17,200,122	7,277
Archer Lambert	\$16,551,147	7,532
Ernstson, Michael	\$17,134,154	7,441
Hudson Orslow	\$15,815,865	7,281
Jack Fenton	\$17,627,148	7,337
Kayla Woodcock	\$18,707,156	7,474
Lynn Jode	\$17,812,649	7,350
Sophia Fenton	\$17,768,199	7,343
Tai Shand	\$17,112,143	7,171
<b>Total</b>	<b>\$177,634,276</b>	<b>73,595</b>

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.

cross-filter  
cross-highlight  
not affect

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

cross-filter  
cross-highlight  
not affect

- A. Mastered
- B. Not Mastered

Answer: A

#### Explanation:

#### Answer Area

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

cross-filter  
cross-highlight  
not affect

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

cross-filter  
cross-highlight  
not affect

#### NEW QUESTION 41

- (Exam Topic 3)

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

- A. the bookmark order
- B. the layer order

- C. the tab order
- D. the X position

Answer: B

NEW QUESTION 44

- (Exam Topic 3)

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 the product hierarchy as an extra field in visuals where ProductDescription is used.
- Transform the ProductDescription column to contain only the text between the first and fourth > symbol.
- Create a product hierarchy of ProductCategory, ProductSubcategory, Manufacturer, ProductName, and ProductSpecifications.

**NEW QUESTION 46**

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