

## Exam Questions DA-100

Analyzing Data with Microsoft Power BI

<https://www.2passeasy.com/dumps/DA-100/>



### 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:

Indicator:

Trend axis:

Target goals:

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Visualization type:

Indicator:

Trend axis:

Target goals:

### NEW QUESTION 3

- (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?

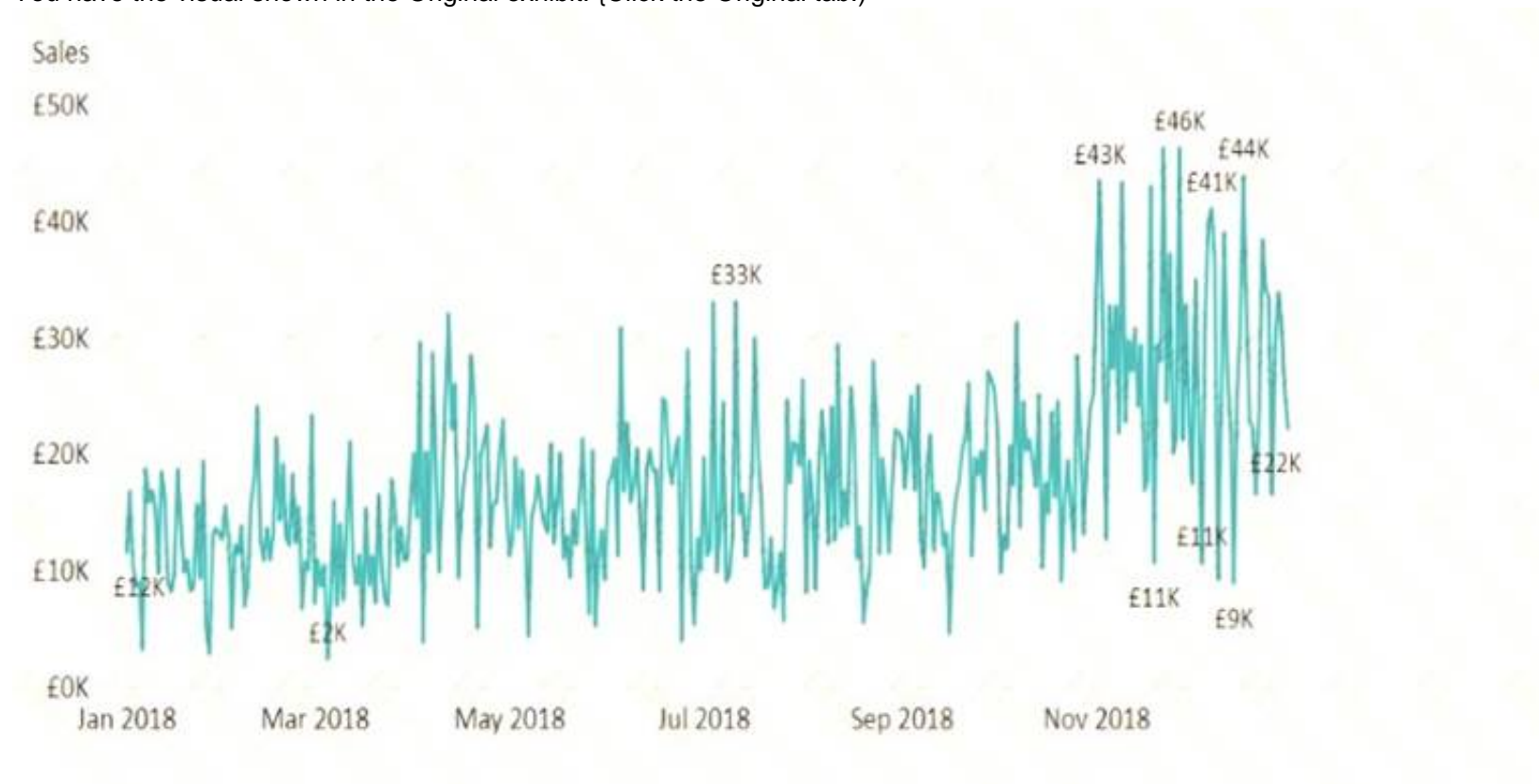
- A. Change the data type of Sales[region\_id] to Whole Number.
- B. In the Sales table, add a measure for sum(sales\_amount).
- C. Change the data type of sales[sales\_id] to Text.
- D. Change the data type of sales [region\_id] to Decimal Number.

**Answer: C**

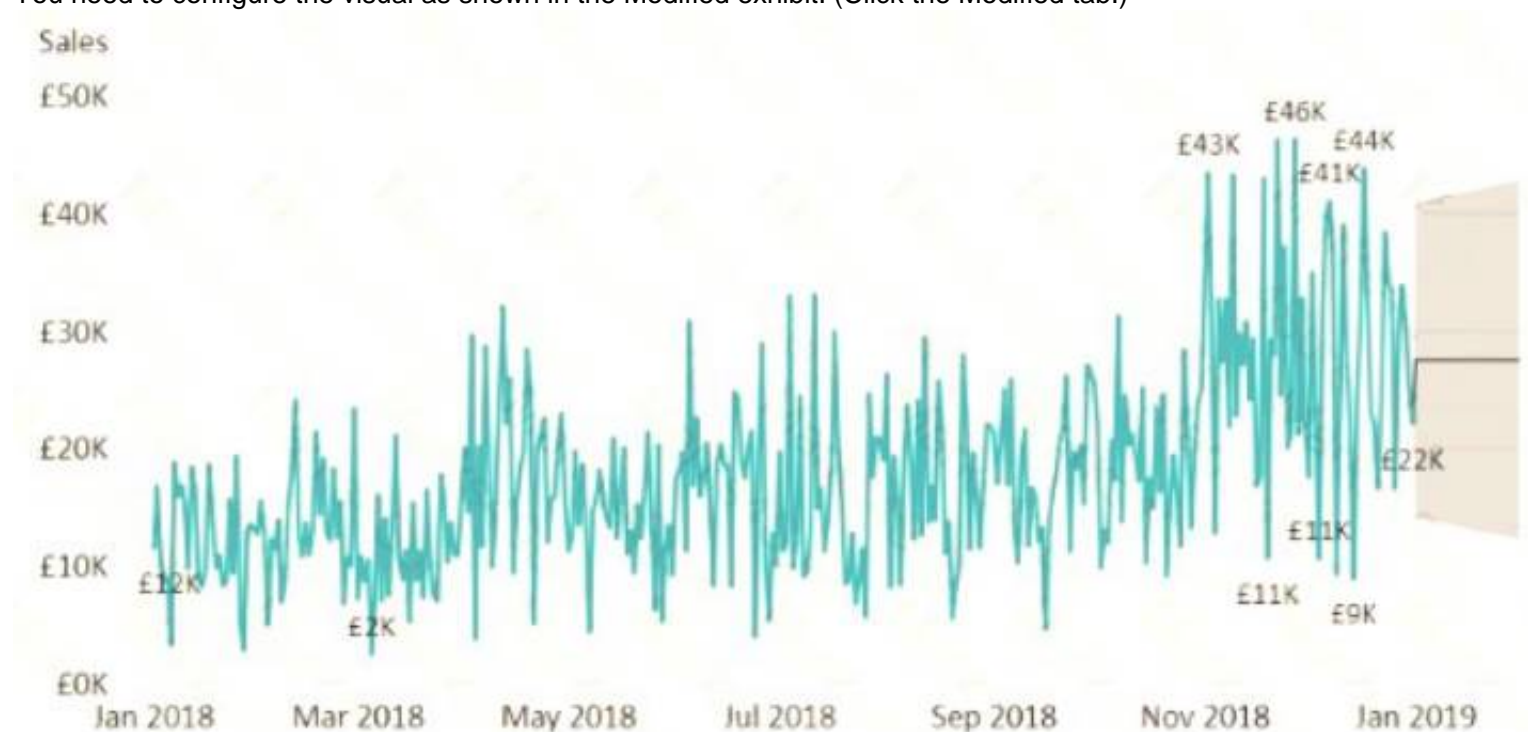
### NEW QUESTION 4

- (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?

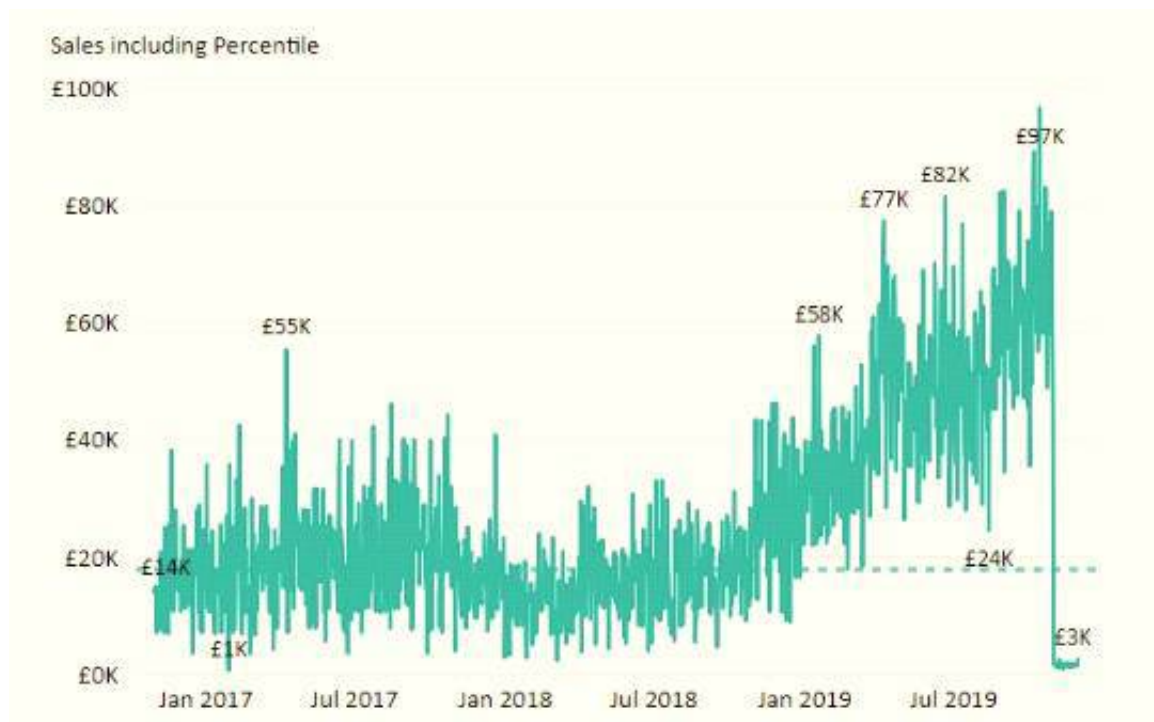
- A. a measure
- B. a trendline
- C. a forecast
- D. an Average line

**Answer: B**

### NEW QUESTION 5

- (Exam Topic 3)

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. `Measure1 = PERCENTUEX.EXC (Sales,Sales[Total Sales],@.40)`
- C. Add a new percentile line that uses Total Sales as the measure and 40% as the percentile.
- D. Add a measure to the visual that uses the following DAX expression. `Measure1 = PERCENTILEX.INC (Sales,Sales[Total Sales],6.40)`

**Answer: D**

#### 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 need to create a visual as shown in the following exhibit.

MonthName	Total Sales	Sales Last Year	% Growth to Last Year
January	£559,263.79	£144,365.51	74.19%
February	£583,915.29	£215,923.28	63.02%
March	£684,091.92	£211,347.46	69.11%
April	£957,686.49	£350,270.97	63.43%
May	£841,473.26	£310,708.65	63.08%
June	£876,911.71	£298,356.83	65.98%
July	£922,410.09	£346,435.28	62.23%
August	£1,002,219.24	£388,213.68	61.26%
September	£1,152,976.22	£407,595.76	64.65%
October	£1,262,647.67	£465,583.06	63.13%
November	£555,548.44	£555,548.44	0.00%
December	£553,615.45	£553,615.45	0.00%
<b>Total</b>	<b>£9,952,759.56</b>	<b>£4,249,964.36</b>	<b>57.30%</b>

The indicator color for Total Sales will be based on % Growth to Last Year. The solution must use the existing calculations only.

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



Answer Area

Conditional formatting:

Background color  
Data bars  
Font color  
Icons  
Web URL

Format by:

Color scale  
Field value  
Rules

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Conditional formatting:

Background color  
Data bars  
Font color  
Icons  
Web URL

Format by:

Color scale  
Field value  
Rules

NEW QUESTION 8

- (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 9

- (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 of date configuration

### Date

As of date configuration

### 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:

## Answer Area

Base value:	<input type="checkbox"/> Month <input type="checkbox"/> Total Cost <input checked="" type="checkbox"/> Total Order Qty <input checked="" type="checkbox"/> Total Sales <input type="checkbox"/> Year
Date:	<input checked="" type="checkbox"/> Date <input type="checkbox"/> Month <input type="checkbox"/> Total Sales <input type="checkbox"/> Year
Period:	<input type="checkbox"/> Days <input type="checkbox"/> Months <input checked="" type="checkbox"/> Quarters <input type="checkbox"/> Years

### NEW QUESTION 10

- (Exam Topic 3)

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

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

What should you recommend?

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

Answer: C

### NEW QUESTION 10

- (Exam Topic 3)

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: BD

### NEW QUESTION 11

- (Exam Topic 3)

You have a data model that contains many complex DAX expressions. The expressions contain frequent

references to the related and relatedtable functions. You need to recommend a solution to minimize the use of the related and relatedtable functions. What should you recommend?

- A. Merge tables by using Power Query
- B. )
- C. Hide unused columns in the model
- D. )
- E. Split the model into multiple models.
- F. Transpose.

Answer: A

### NEW QUESTION 16

- (Exam Topic 3)

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**  
Create a query that uses Common Data Service as a data source.  
Create a blank query as a data source.  
Specify the following query.  
= Table.Distinct("#SalesDetail")  
Create a parameter that uses a query for the suggested values.  
Specify the following query.  
= Table.Profile("#SalesDetail")  
Create a visual for the query table.

**Answer Area**

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

**Actions**  
Create a query that uses Common Data Service as a data source.  
Create a blank query as a data source.  
Specify the following query.  
= Table.Distinct("#SalesDetail")  
Create a parameter that uses a query for the suggested values.  
Specify the following query.  
= Table.Profile("#SalesDetail")  
Create a visual for the query table.

**Answer Area**  
Specify the following query.  
= Table.Distinct("#SalesDetail")  
Create a query that uses Common Data Service as a data source.  
Create a visual for the query table.

### NEW QUESTION 18

- (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 22

- (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.)

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## 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.

☐

☐

The resulting query will contain all the columns from the 2019 transactions.

☐

☐

Setting Data Type Detection to **Based on first 200 rows** will improve import times.

☐

☐

- 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.

☐

☒

The resulting query will contain all the columns from the 2019 transactions.

☐

☒

Setting Data Type Detection to **Based on first 200 rows** will improve import times.

☐

☒

### NEW QUESTION 25

- (Exam Topic 3)

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

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

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

Answer: C

#### NEW QUESTION 27

- (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 28

- (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?

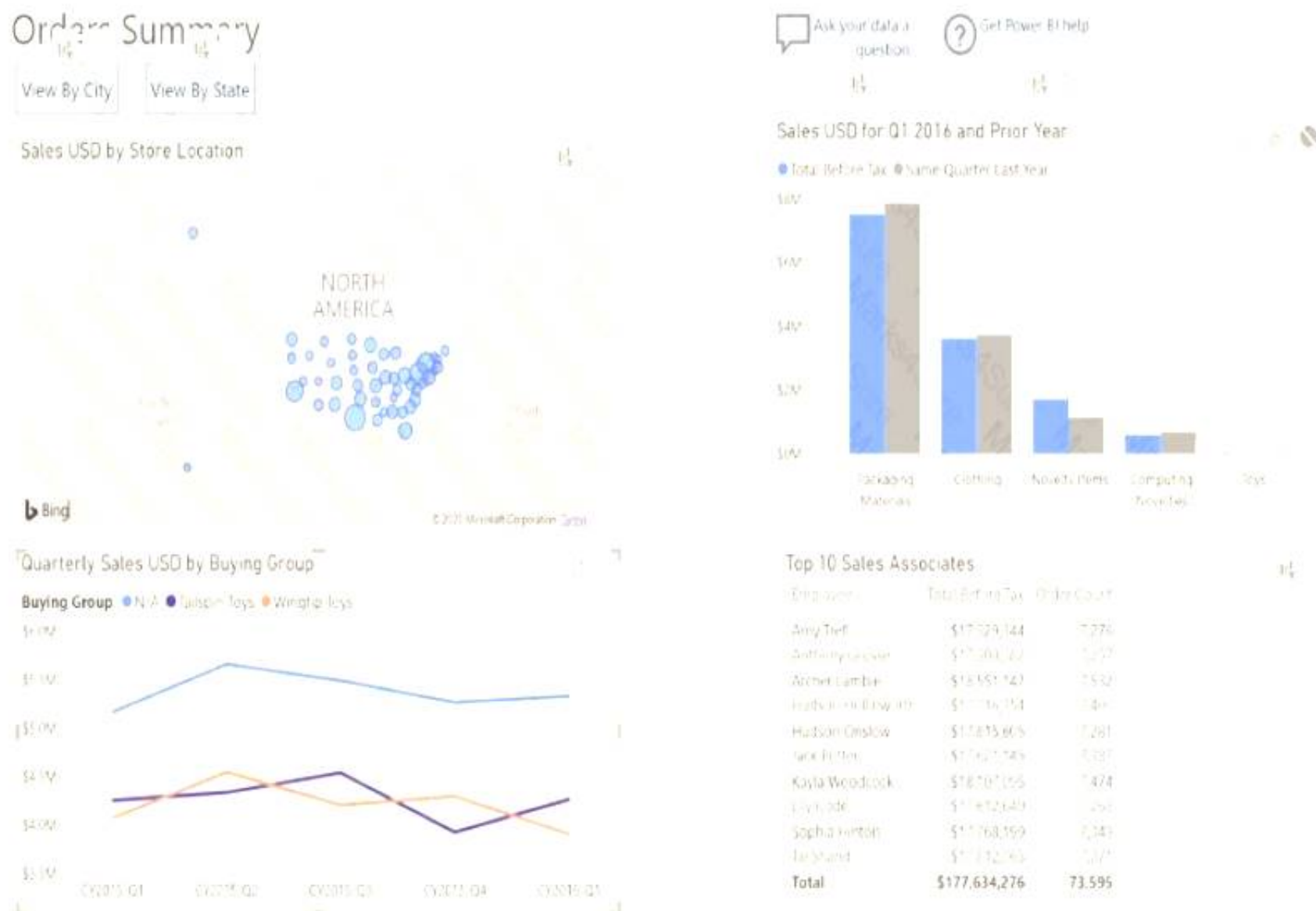
- A. Active Directory groups
- B. tiles
- C. data classifications
- D. comments

Answer: A

#### NEW QUESTION 32

- (Exam Topic 3)

You have a 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.

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 33

- (Exam Topic 3)

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:

Answer Area

Employee\_id: 

Change Type |  
Delete  
Hide  
Sort

Employee\_photo: 

Change Type  
Delete  
Hide  
Sort

NEW QUESTION 37

- (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

Answer Area

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.

A. Mastered  
B. Not Mastered

Answer: A

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**Explanation:**

Actions	Answer Area
Create a product hierarchy of Manufacturer, ProductSpecifications, ProductName, ProductSubcategory, and ProductCategory.	Add the product hierarchy as an extra field in visuals where ProductDescription is used.
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.	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.	Create a product hierarchy of ProductCategory, ProductSubcategory, Manufacturer, ProductName, and ProductSpecifications.

**NEW QUESTION 41**

- (Exam Topic 3)

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 list, enter the site URL and then select Combine & Load.
- B. Get data from a SharePoint Online folder and enter the site UR
- C. Edit the query and filter by folder path.
- D. Get data from a SharePoint Online folder, enter the site URL, and then select Combine & Load.
- E. Get data from a SharePoint Online list and enter the site UR
- F. Edit the query and filter by folder path.

**Answer: A**

**NEW QUESTION 42**

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