



PL-300^{Q&As}

Microsoft Power BI Data Analyst

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QUESTION 1

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 QandA Questions.
- B. From the Format settings of the reports, modify the Page Information.
- C. From the properties of the dataset, modify the QandA and Cortana settings.
- D. From the properties of the workspace, modify the Language Settings.

Correct Answer: C

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

QUESTION 2

You have sales data in a star schema that contains four tables named Sales, Customer, Date, and Product.

The Sales table contains purchase and ship dates.

Most often, you will use the purchase date to analyze the data, but you will analyze the data by both dates independently and together.

You need to design an imported dataset to support the analysis. The solution must minimize the model size and the number of queries against the data source.

Which data modeling design should you use?



- A. Use the Auto Date/Time functionality in Microsoft Power BI and do NOT import the Date table.
- B. Duplicate the Date query in Power Query and use active relationships between both Date tables.
- C. On the Date table, use a reference query in Power Query and create active relationships between Sales and both Date tables in the modeling view.
- D. Create an active relationship between Sales and Date for the purchase date and an inactive relationship for the ship date.

Correct Answer: D

Only one relationship can be active.

Note: If you query two or more tables at the same time, when the data is loaded, Power BI Desktop attempts to find and create relationships for you. The relationship options Cardinality, Cross filter direction, and Make this relationship active are automatically set.

Reference: <https://docs.microsoft.com/en-us/power-bi/transform-model/desktop-create-and-manage-relationships>

QUESTION 3

HOTSPOT

You have two tables named Customers and Invoice in a Power BI model. The Customers table contains the following fields:

1.

CustomerID

2.

Customer City

3.

Customer State

4.

Customer Name

5.

Customer Address 1

6.

Customer Address 2

7.

Customer Postal Code



The Invoice table contains the following fields:

1.

Order ID

2.

Invoice ID

3.

Invoice Date

4.

Customer ID

5.

Total Amount

6.

Total Item Count

The Customers table is related to the Invoice table through the Customer ID columns. A customer can have many invoices within one month.

The Power BI model must provide the following information:

The number of customers invoiced in each state last month

The average invoice amount per customer in each postal code

You need to define the relationship from the Customers table to the Invoice table. The solution must optimize query performance.

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

Hot Area:



Cardinality:

Many-to-many
Many-to-one
One-to-many
One-to-one

Cross-filter direction:

Both
Single

Correct Answer:

Cardinality:

Many-to-many
Many-to-one
One-to-many
One-to-one

Cross-filter direction:

Both
Single

Box 1: One-to-many

A customer can have many invoices within one month.

Box 2: Single

For One-to-many relationships, the cross filter direction is always from the "one" side, and optionally from the "many" side (bi-directional).

Single cross filter direction means "single direction", and Both means "both directions". A relationship that filters in both directions is commonly described as bi-directional.

QUESTION 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.

Correct Answer: D

QUESTION 5

You need to review the data for which there are concerns before creating the data model. What should you do in Power Query Editor?

- A. Select Column distribution.
- B. Select the sales_amount column and apply a number filter.
- C. Select Column profile, and then select the sales_amount column.
- D. Transform the sales_amount column to replace negative values with 0.

Correct Answer: C

Because it has a min and a max info so you can see if there are negative values.

Reference: <https://www.xspdf.com/resolution/50510644.html>

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