

## Microsoft

### PL-300 Exam

Data Analyst Associate

# Questions & Answers

(Demo Version - Limited Content)

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# Version: 8.1

## Question: 1

You configure a Microsoft Power BI data model to enable users to ask natural language questions by using Q&A. You create a Date hierarchy (contains Year and Month) in the Date table to visualize Affiliate Income.

When users run a query Affiliate Income by date hierarchy, they get correct results. But, when they run Affiliate Income by Calendar, they do not get any results.

You have to set up the model so that the users can query the model with Affiliate Income by Calendar and get the same results.

### What would you do?

- A. You add a synonym to the Date hierarchy
- B. You add a description to the Date hierarchy
- C. You add a synonym to the Date table, as you cannot add a synonym to a hierarchy
- D. You add a synonym to the year and month fields of the hierarchy

**Answer: A**

## Question: 2

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.

Harsh Agarwal is a famous affiliate marketer from India. Below is a sample data that displays the traffic (Clicks) and Affiliate Income he generates from different advertisers via his blog.

Carefully observe the sample Affiliate Revenue dataset below.

DateKey	Affiliate channel	Advertiser	Clicks	Affiliate Income
20101231	Linkshare	Udemy	102	30
20101231	Linkshare	Udemy	48	12
20101231	ShareaSale	Linux Foundation	226	60
20101231	ShareaSale	Linux Foundation	224	60
20101231	CJ	Trip Advisor	17	5
20101230	CJ	Trip Advisor	17	5
20101230	Linkshare	Coursera	70	22
20101230	Linkshare	Coursera	60	15
20101229	Impact Radius	LinkedIn Learning	111	35
20101229	Impact Radius	LinkedIn Learning	131	42
20101229	Linkshare	Blockchain.com	101	28
20101229	Linkshare	Blockchain.com	107	31
20101229	Linkshare	Blockchain.com	97	30
20101230	Impact Radius	LinkedIn Learning	158	40

He would like to calculate the average income he earns per day from all the affiliate channels across different years.

Solution: He does the following:

1. Drags the Year field (from a related Date dimension) and the Affiliate Channel field into the Rows well of a table matrix visualization.
2. Creates an explicit measure with AVERAGEX function (for displaying average income per day).

Does the solution meet the goal?

- A. Yes
- B. No

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**Answer: B**

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### Question: 3

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You are working with the Wide World Importers Data Warehouse. You need to do the following:

- Import a sample data into Power BI Desktop from the Sales fact table that contains more than 200,000 transactions.

Choose the most efficient method to fetch the data. Solution: You write a native SQL query.

SQL Server database

Server ⓘ  
RAVIKIRAN

Database (optional)  
WideWorldImportersDW

Data Connectivity mode ⓘ  
 Import  
 DirectQuery

Advanced options  
Command timeout in minutes (optional)

SQL statement (optional, requires database)  
SELECT \* FROM [Fact].[Sale] WHERE [Salesperson Key] = 9

OK Cancel

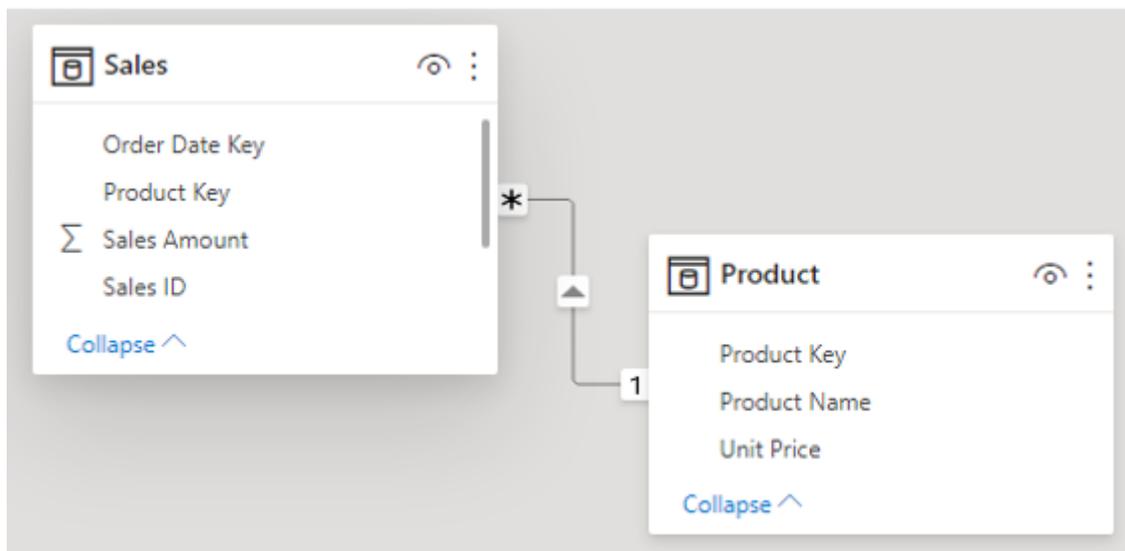
Does the solution meet the goal?

- A. Yes
- B. No

**Answer: A**

**Question: 4**

Standard Motor Products is a leading manufacturer of replacement parts in the aftermarket industry. You build the below data model to help the sales managers understand the sales performance of automotive products.



You have to create a table chart that displays the sum of the highest three sales transactions for each product.

How would you create the measure for the visual?

**Sum of highest 3 sales transactions =**

CALCULATETABLE
FILTER
CALCULATE
EVALUATE

SUMX
FILTER
SUMMARIZE
SUM

(Sales [Sales Amount]),

SUM
FILTER
RANKX
TOPN

(3, Sales,

Sales [Order Date Key]
Sales [Product Key]
Sales [Sales Amount]
Sales [Sales ID]

)

- A. Option1: CALCULATETABLE Option 2: SUM Option 3: RANKX Option 4: Sales [Sales Amount]
- B. Option1: EVALUATE Option 2: SUMMARIZE Option 3: TOPN Option 4: Sales [Sales ID]
- C. Option1: FILTER Option 2: SUMX Option 3: RANKX Option 4: Sales [Order Date Key]

Option1: CALCULATE Option 2: SUM Option 3: TOPN Option 4: Sales [Sales Amount]

**Answer: D**

**Question: 5**

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In the affiliate marketing industry, EPC describes the money earned per 100 clicks sent to a merchant's site. He needs to calculate the 7-day EPC (EPC for the last seven days).

Solution: He creates the below measure:

Last 7-

day EPC

=DIVIDE

```
(
    CALCULATE (
        'Affiliate Revenue'[Total Affiliate Revenue],
        DATESINPERIOD ( 'Date'[Date], 'Date'[Date] - 1, -7,
            DAY )
    ),
    CALCULATE (
        'Affiliate Revenue'[Total Clicks],
        DATESINPERIOD ( 'Date'[Date], 'Date'[Date] - 1, -7, DAY )
    )
)
```

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Does the solution meet  
the goal?

A. Yes

B. No

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**Answer: B**

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