**Module 2 Review Questions**

**Question 1** Which query language do you use to extract data from Microsoft SQL Server? **Select one**

DAX

T-SQL

MDX

**Question 2** You’re creating a Power BI report with data from an Azure Analysis Services Cube. When the data refreshes in the cube, you would like to see it immediately in the Power BI report. How should you connect? **Select one**

Connect Live

Import

Direct Query

**Question 3** What can you do to improve performance when you are getting data in Power BI? **Select one**

Only pull data into the Power BI service, not Power BI Desktop

Use the Select SQL statement in your SQL queries when you are pulling data from a relational database

Combine date and time columns into a single column

Do some calculations in the original data source

**Question 4** Which storage mode leaves the data at the data source? **Select one**

Import

Direct Query

Dual

**Question 5** Which technology improves performance by generating a single query statement to retrieve and transform source data? **Select one**

Query folding

Adding index columns

Adding custom columns with complex logic

**Question 6** What type of import error might leave a column blank? **Select one**

Keep errors

Unpivot columns

Data type error

**Congratulations**

You have successfully completed this exercise. Click **Next** to advance to the next lab.

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**Module 3 Review Questions**

**Question 1** The primary data preparation tool in Power BI is called what? **Select one**

Report editor

Power Query editor

Data editor

**Question 2** The process of shaping data by converting your flat data into a table that contains an aggregation value for each unique value in a column is called what? **Select one**

Group by columns

Pivot (pivoting a column)

Manage aggregations

**Question 3** What can be achieved by removing unnecessary rows and columns? **Select one**

It is not necessary to delete unnecessary rows and columns and it is a good practice to keep all metadata intact.

Deleting unnecessary rows and columns can damage the structure of the data model.

Deleting unnecessary rows and columns will reduce the dataset size and it is a good practice to load only necessary data into your data model.

**Question 4** How many rows does Power Query scan to detect the type of data in the columns? **Select one**

10,000

1,000

100

**Question 5** Data profiling is defined as what? **Select one**

Aggregating columns containing numeric data

Studying the nuances of the data

Data modeling

**Question 6** What is the risk of having null values in a numeric column? **Select one**

DAX expressions that MAX data will be incorrect

DAX expressions that SUM data will be incorrect

DAX expressions that AVERAGE data will be incorrect

**Question 7** What is not a best practice for naming conventions in Power BI? **Select one**

Rename columns to have spaces in them

Replace values that have integers with human readable results

Abbreviated column names

**Question 8** What functionality lets you see the code that is generated as part of each transformation step? **Select one**

Advanced editor

Data profiling

Queries pane

**Question 9** If you have two queries that contain different data with the same structure, and you want to combine them into one query, which operation should you perform? **Select one**

Merge

Append

Combine column

**Congratulations**

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### Module 4 Review Questions

**Question 1** The two types of tables in a star schema are what? **Select one**

Active and inactive tables

Qualitative and quantitative data tables

Fact and dimension tables

**Question 2** What is the difference between a fact table and a dimension table? **Select one**

Fact tables store observations or events while dimension tables contain information about specific entities within the data

Fact tables contain information about specific entities while dimension tables contain information about observational data

Dimension tables tell you about specific roles in Power BI while fact tables tell you information about facts that are associated with those roles in Power BI

There is no difference

**Question 3** What is Cardinality? **Select one**

Cardinality is how long it takes for the data to load

Cardinality is the granularity of the data

The direction that the data flows in a relationship between two tables

Cardinality is a type of visual element

**Question 4** What is it called when multiple records in one table are associated with multiple records in another table? **Select one**

many-to-many relationship

one-to-many relationship

many-to-one relationship

**Question 5** A dimension that can filter related facts differently is called what? **Select one**

Role-playing dimension

Snowflake dimension

Degenerate dimension

**Question 6** What type of table stores details about business entities? **Select one**

Fact table

Data table

Dimension table

Date table

### Congratulations

You have successfully completed this exercise. Click **Next** to advance to the next lab.

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### Module 5 Review Questions

**Question 1** Which are calculated on demand? **Select one**

Calculated columns

Calculated tables

Measures

**Question 2** Which are calculated based on the filters that are used by the report user? Calculated columns or measures? **Select one**

Measures

Calculated columns

**Question 3** Which DAX function evaluates an expression in a modified filter context? **Select one**

SUMX

CALCULATE

ALL

**Question 4** Why would you want to override the default context? **Select one**

To create measures that behave according to the user’s selection

To create measures that behave according to your intentions, regardless of what the user selects

**Question 5** What type of Measure uses SUM to aggregate over one set of dimensions and a different aggregation over a different set of dimensions? **Select one**

Additive

Aggregate

Semi-additive

**Question 6** What type of functions enable you to manipulate data using time periods? **Select one**

Time intelligence

Comparer functions

Value functions

**Question 7** Which two functions will help you compare dates to the previous month? **Select one**

TOTALYTD and PREVIOUSMONTH

CALCULATE and TOTALTYD

CALCULATE and PREVIOUSMONTH

### Congratulations

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### Module 7 Review Questions

**Question 1** What is the benefit of using a report tooltip? **Select one**

To give users the ability to export data from the visual

To provide additional detail that is specific to the context of the data that is being hovered over

To give users additional information about a report visual, such as the author and date/time it was created

**Question 2** Do you need to import custom visuals each time you want to use them when you are developing a new report? **Select one**

Yes, custom visuals must be imported from AppSource each time you start developing a new report

No, custom visuals are always available for selection under the Visualization pane

No, custom visuals only need to be imported once and will always remain in Power BI for future use in a new report

**Question 3** Which of the following filters are not available in Power BI reports? **Select one**

Drillthrough

Report level

Page type

Page level

**Question 4** How can you analyze performance of each of your report elements? **Select one**

By using performance analyzer

By analyzing your metadata

By deleting unnecessary rows and columns to reduce your dataset size

**Question 5** Can you use bookmarks to create a slide show in Power BI? **Select one**

No, you cannot, because bookmarks are not dynamic

Yes, you can, by adding buttons as navigation to go between saved bookmarks

No, you will require a specific visual to achieve this task

### Congratulations

You have successfully completed this exercise. Click **Next** to advance to the next lab.

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### Module 8 Review Questions

**Question 1** What is a dashboard? **Select one**

A canvas of report elements that can be built in Power BI desktop

Dashboards can be built by using visuals that are developed with an underlying data source

A canvas of report elements that can be built in the Power BI service

The canvas in which you can view the data model of a report

**Question 2** What is one way that reports and dashboards differ? **Select one**

In reports, you can have multiple pages; in dashboards, you can have only one page

In reports, you can use the slicers and filter by selecting a data point on a visual; in dashboards, you can only filter a dashboard tile in focus mode, but can't save the filter

You can only build reports and dashboards in Power BI service

They are the same

**Question 3** Can a dashboard be created from multiple reports? **Select one**

No, dashboards can only be created from a single dataset or report

Yes, dashboards can be created from multiple datasets or reports

**Question 4** Where can you configure and set alerts? **Select one**

Data alerts can be set only in Power BI service on specific visuals such as KPI cards, gauges, and cards

Data alerts can be set in both Power BI service and Power BI Desktop on any kind of visual

Data alerts can be set in Power BI service on any kind of visual

Data alerts can be set only in Power BI Desktop on specific kinds of visuals such as KPI cards and gauges

**Question 5** What is a key benefit of Power BI’s real-time streaming capabilities? **Select one**

Users are limited to the data refresh as established by the developer

You can stream data and update dashboards as soon as the data is logged

**Question 6** Pinning an entire report page to a dashboard ensure what? **Select one**

Pinning a page is an easy way to pin more than one visualization at a time. Also, when you pin an entire page, the tiles are live; you can interact with them right there on the dashboard

Users are seeing individual tiles displaying key results

**Question 7** What feature allows you to ask a natural-language query about the data? **Select one**

The synonym feature

The smart narrative visual

The Q&A feature

**Question 8** What feature in dashboards is used to alert consumers to the sensitivity of the data? **Select one**

Dashboard themes

Data classification

### Congratulations

You have successfully completed this exercise. Click **Next** to advance to the next lab.

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### Module 9 Review Questions

**Question 1** Why are parameters important in Power BI paginated reports? **Select one**

They are required so that Power BI can call the paginated report

They allow the report developer to control the refresh interval of the report

They allow the user to control aspects of how the report is rendered when the report is run

**Question 2** Power BI paginated reports are created by using which tool? **Select one**

Power BI Report Builder

Power BI Desktop

Power BI Service

**Question 3** Power BI paginated reports is an evolved technology that was built from which original tool? **Select one**

SQL Server Analysis Services

Microsoft SharePoint

SQL Server Reporting Services

### Congratulations

You have successfully completed this exercise. Click **Next** to advance to the next lab.

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### Module 10 Review Questions

**Question 1** What Power BI feature can give an in-depth analysis of the distribution of data? **Select one**

The Next Level of Hierarchy feature can give in-depth analysis because it will allow you to drill down for all subcategories and is not used to analyze the distribution

The Analyze feature allows a user to understand why the distribution of data looks the way it does

Only time series analysis can provide in-depth analysis on the data

**Question 2** Where are time series charts located? **Select one**

The filter pane is where all filters on visuals and pages are located

The fields pane is where all charts are located

Time series charts can be imported from AppSource

**Question 3** What visual should be used to display outliers? **Select one**

The line chart is best-suited to display outliers

The clustered column chart is best-suited to display outliers

The scatter chart displays outliers

**Question 4** What does the AI splits feature do? **Select one**

AI splits work by considering all the available fields and determining which one to drill into to get the highest/lowest value of a measure that is being analyzed

AI splits work by considering all available fields and determining which one to drill into to get the highest/lowest value of the measure that is being analyzed

AI splits only display the difference between highest and lowest value of the measure that is being analyzed

**Question 5** Can you access the Q&A feature by using buttons? **Select one**

Yes, you can, but you will need to add the Q&A visual to your reporting canvas and then link your button with the visual that you have added

Yes, you can access the Q&A feature by selecting the Q&A button type

No, to use the Q&A feature, you will need to add the Q&A visual to your reporting canvas

**Question 6** What is not a feature of the Q&A feature? **Select one**

Searching for help topics about Power BI

Adding new synonyms to fields through Q&A tooling

Converting a Q&A answer into a visual inside your report

**Question 7** What does the decomposition tree not enable you to do? **Select one**

Conduct root cause analysis to understand a measure better

Conduct what-if analysis with built-in parameters

Automatically analyze selected dimensions to find where a measure is highest or lowest

### Congratulations

You have successfully completed this Module, to mark the lab as complete click **End**.

Click [**here**](https://labclient.labondemand.com/Instructions/17692e00-0eeb-41ae-a7d8-954484e1f8f0?rc=10#toc) to return to the **Table of Contents**.