

1. You are evaluating whether you need to create a dashboard in Power BI.

In which scenario do you need a dashboard instead of a report in Power BI?

Select only one answer.

- A. You need to add filters.
- B. You need to add slicers.
- C. You need to display visuals on multiple pages.
- D. You need to display visuals that use different semantic models.

2. You are creating a Power BI dashboard.

You need to apply a custom theme to the dashboard from another Power BI dashboard theme.

Which type of file should you use?

Select only one answer.

- A. CSV
- B. JSON
- C. XML
- D. YAML

3. You manage a Power BI workspace in shared capacity. The workspace contains a semantic model named DS1. You plan to schedule the refresh of DS1.

What is the maximum number of data refreshes per day?

Select only one answer.

- A. 1
- B. 4
- C. 8
- D. 24

4. You manage a Power BI workspace in shared capacity. The workspace contains a report that uses a semantic model named DS1.

You need to implement an incremental refresh of DS1.

What should you do first?

Select only one answer.

- A. In Power BI Desktop, define filter parameters.
- B. In Power BI Desktop, define the incremental refresh policy.
- C. Publish the dataset to the Power BI service.
- D. Upgrade the Power BI workspace to the Premium SKU.

5. You have several on-premises Microsoft SQL Server databases.

You need to provide Power BI Service users access to the data sources without exposing the database servers directly to the internet.

The solution must minimize the configurations that must be performed by each user.

What should you deploy?

Select only one answer.

- A. a virtual network data gateway
- B. an ExpressRoute connection
- C. an on-premises data gateway
- D. an on-premises data gateway (personal mode)

6. Your organization uses Microsoft Power BI to analyse sales data. There is a report on regional sales performance insights in a workspace with multiple reports.

You need to ensure only Sales team members have access to the sales performance report data.

What action should you take?

Select only one answer.

- A. Apply sensitivity labels.
- B. Share the report pbix file through OneDrive.
- C. Set up row-level security for Sales team members.
- D. Share a report link with Sales team members.

7. You manage a Power BI workspace that includes a semantic model with your company's sales data. You create a report that displays the sales data grouped by department.

You need to use row-level security to ensure that, once the report is published, employees in each department can only see the sales data for their department. What should you do first?

Select only one answer.

- A. Deploy the report to the Power BI service.
- B. In Power BI Desktop, create a role.
- C. In Power BI Desktop, define filter parameters.
- D. Upgrade the Power BI workspace to the Premium SKU.

8. You need to assign a workspace role for users who consume reports.

Users should only have permissions to examine the report.

Which role should you assign to users?

Select only one answer.

- A. Admin role
- B. Contributor role

- C. Member role
- D. Viewer role

9. You have a Power BI semantic model. You need to set the semantic model as discoverable.

Which two configurations will allow the semantic model to be marked as discoverable? Each correct answer presents a complete solution.

Select all answers that apply.

- A. Certify the semantic model.
- B. Enable RLS on the semantic model.
- C. Promote the semantic model.
- D. Publish the semantic model to a Premium workspace.

10. You plan to use Power BI Desktop to create a report with multiple visualizations.

You need to create a visual that supports the following:

filters other visuals on the same report page

allows users to search for values by which to filter the other visuals

Which type of visualization should you use?

Select only one answer.

- A. Funnel
- B. Matrix
- C. Scatter chart
- D. Slicer

11. You plan to create a report in Power BI Desktop.

You need to create a visualization that displays data in two or more dimensions and cross-highlights with other visuals on the same report page. Which type of visualization should you use?

Select only one answer.

- A. Card
- B. matrix
- C. scatter
- D. table

12. You plan to create a report in Power BI Desktop that will display sales opportunities by five sales stages, including lead, prospect, qualified, committed, and transacted.

You need to identify the type of visualization that will display a linear process with sequentially connected stages, with one stage transitioning to the next.

Which visualization should you use?

Select only one answer.

- A. funnel
- B. slicer
- C. treemap
- D. waterfall

13. You are editing a report in Power BI Desktop.

You need to adjust the behaviour of the report by editing interactions.

Which two types of interaction behaviour can you change between visuals? Each correct answer presents a complete solution.

Select all answers that apply.

- A. drillthrough
- B. expand
- C. filter
- D. highlight

14. You plan to use Power BI Desktop to analyze sales data for products sold by your company.

You need to create a DAX formula that will list 10 best-selling products sorted by their total sales.

Which DAX function should you use?

Select only one answer.

- A. MAXA
- B. MAXX
- C. RANKX
- D. TOPN

15. You implement the Q&A feature in a report, so users can get answers to their questions on their own.

You need to improve your Q&A search capabilities for end-users.

Which two configurations can you add? Each correct answer presents a complete solution.

Select all answers that apply.

- A. Add a linguistic schema to the dataset.
- B. Add synonyms to model fields.
- C. Configure the dataset as a composite model.
- D. Organize the dataset columns and measures into logical folders in the Fields pane.

16. You are using Power BI Desktop to edit a stacked column chart that displays gross sales data with a date hierarchy that contains year, quarter, month, and day.

You need to prevent users from viewing the hierarchy based on the year.

What should you do?

Select only one answer.

- A. In the Filters pane, add a filter based on the quarter, month, and day.
- B. In the Filters pane, add a filter based on the year.
- C. In the Format pane, modify the Maximum Range setting.
- D. In the Visualization pane, remove the year field from the date hierarchy fields in the X-axis.

17. You have a Power BI report that uses data that is imported from a database.

You add a slicer to a report.

You need to sync the slicer to use it on other report pages.

What is required to sync slicers between report pages?

Select only one answer.

- A. Each slicer must be the same slicer type.
- B. Each slicer must be visible.
- C. Each slicer must have the same title.
- D. Each slicer must use the same column.

18. You have implemented role-based security that restricts access to a Power BI Desktop semantic model for users who are assigned the role named Salespeople

You need to validate that the implementation works.

What should you do?

Select only one answer.

- A. In Power Query Editor, add a conditional column to the Salesperson table.
- B. In the Report view, activate the View as feature.
- C. In the Report view, add a DAX expression filter to the Salesperson table.
- D. In the Report view, create a what-if parameter.

19. You need to create a row level security (RLS) role for a semantic model.

What should you do first?

Select only one answer.

- A. Assign workspace members to the security group in the Power BI service.
- B. In Power BI Desktop, open Manage roles.
- C. In Power BI Desktop, open the Advanced Editor in the Power Query Editor.
- D. In the Power BI service, open the security settings for the dataset.

20. An organization uses Microsoft Power BI to analyze sales data. The team observed unexpected spikes in revenue on specific dates.

You need to identify and explain these spikes using a Microsoft Power BI report.

What should you do?

Select only one answer.

- A. Analyze revenue factors using Key Influencers visual.
- B. Use anomaly detection on a line chart.
- C. Explore revenue categories using a decomposition tree.
- D. Highlight outlier values using conditional formatting.

21. Which native AI visual helps explain correlations for a metric within the dataset?

Select only one answer.

- A. Decomposition Tree visual
- B. Key influencers visual
- C. Q&A visual
- D. Smart Narrative visual

22. Your organization uses Microsoft Power BI to analyze sales data. A report monitors monthly sales trends. You need to configure the report to automatically detect unusual patterns in the sales data.

Each correct answer presents part of the solution. Which two actions should you perform?

Select all answers that apply.

- A. Create a custom date hierarchy.
- B. Add a line chart visual.
- C. Add a Q&A visual.
- D. Add anomaly detection.

23. You plan to get data for a Power BI semantic model from flat files.

You need to select a location for the files. The location must provide the ability to configure scheduled refresh for the semantic model by using Microsoft 365 credentials.

Which two location types should you recommend? Each correct answer presents a complete solution.

Select all answers that apply.

- A. local file
- B. OneDrive for Business
- C. Personal OneDrive account
- D. SharePoint – Team Sites

24. You have a Power BI semantic model that gets data from a table in a SQL Server database.

From which view in Power BI Desktop can you modify the storage mode of the table?

Select only one answer.

- A. Data view
- B. Model view
- C. Page view
- D. Report view

25. You plan to add data to Power BI Desktop from a new data source. You are evaluating whether you should use the DirectQuery storage mode or the Import storage mode.

What are two benefits of using Import instead of DirectQuery? Each correct answer presents a complete solution.

Select all answers that apply.

- A. full support for the Q&A Power BI service
- B. full support for the Quick Insights Power BI service
- C. minimized local disk space usage
- D. no need for data refresh.

26. You have multiple Excel files stored in a folder synced with OneDrive for Business.

You need to import data from the files. The solution must NOT use a data gateway.

Which type of connector should you use?

Select only one answer.

- A. Excel workbook
- B. Folder
- C. SharePoint folder
- D. SharePoint list

27. You plan to publish a semantic model from Power BI Desktop.

You need to ensure that your data source server name can be changed after the semantic model has been published to the Power BI Service.

Which two actions should you perform? Each correct answer presents part of the solution.

Select all answers that apply.

- A. Create a parameter.
- B. Create a query for the server name.
- C. From the Data source settings in Power BI Desktop, update the permissions.
- D. From the Data source settings, update the server source to use a parameter.

28. You have created a Power BI semantic model and need to create multiple reports.

What is a benefit of using a Power BI semantic model as a data source for multiple reports compared to each report having a separate semantic model?

Select only one answer.

- A. It increases the number of scheduled refreshes that can be configured for the Power BI semantic model.
- B. It increases the speed of the reports and visuals connected to the Power BI semantic models.
- C. It prevents sensitive data from being shared with report consumers.
- D. It reduces the number of semantic models, refreshes, and storage requirements in the Power BI service.

29. You have a Power BI model with the following fact tables and storage modes.

FactStoreSales (Import mode)

FactOnlineSales (DirectQuery mode)

You have a dimension table named DimCalendar that has a relationship to both fact tables.

You need to assign a storage mode for DimCalendar. The solution must minimize the time to execute queries that combine data from the dimension table and the fact tables.

Which storage mode should you use?

Select only one answer.

- A. DirectQuery
- B. Dual
- C. Import
- D. None

30. Your organization uses Microsoft Power BI to analyze sales data from multiple sources. A report visual displays monthly sales figures grouped by product categories.

You need to ensure all product categories appear in the visual, even if they have no sales data for certain months.

What should you do?

Select only one answer.

- A. Create a calculated column to replace blanks with a default value.
- B. Enable the option to show items with no data.
- C. Exclude blank values from the product category field.
- D. Perform a cross join between product category and sales tables.

31. You have a query that has a column named Country and columns for each month of sales data. The names of the sales data columns use a format of Month Year, for example January 2022. The month columns contain the Sales Amount values for each month.

You need to reshape the table to have all sales amount values in a single column.

A new column should also be added and contain the relevant month year for each row of data.

What should you do from the Power Query Editor?

Select only one answer.

- A. Select the Country column and then select Pivot Column.
- B. Select the Country column and then select Unpivot Other Columns.
- C. Select the first sales data column and then select Unpivot Columns.
- D. Select Transpose.

32. You have a table that contains a column named ProductID.

The ProductID column contains values that have a prefix of PD followed by five numbers. For example: PD15332.

You plan to convert the ProductID values to numbers (integer).

You need to remove the leading two letters from the current ProductID values.

Which two commands can you use? Each correct answer presents a complete solution.

Select all answers that apply.

- A. Remove Rows
- B. Replace Errors
- C. Replace Values
- D. Trim

33. From Power BI Desktop, you create a data source by importing a Cosmos DB for NoSQL item collection.

You connect to the Cosmos DB account, database, and collection, but the preview displays only a list of items named Record.

You need to select individual fields from items in the collection that you want to load into Power BI Desktop.

What should you do first?

Select only one answer.

- A. Open Power Query Editor.
- B. Retrieve the Cosmos DB account key.
- C. Retrieve the Cosmos DB connection string.
- D. Switch to the model view.

34. You have an Excel spreadsheet that contains two columns as follows:

Category: Contain names of categories

Subcategory: Contain names of subcategories for each category

You import the Excel spreadsheet into Power BI Desktop.

You need to transform the data to meet the following requirements:

Have multiple columns, where one column represents one category

Have a single row that includes the total count of subcategories for each category

Which transformation should you use?

Select only one answer.

- A. Pivot Columns
- B. Rename Columns
- C. Transpose Table
- D. Unpivot Columns

35. You have a Power BI data model that contains a table named Orders. Orders contains many columns. You have a report. A page in the report contains many visuals. Each visual references four fields from the Orders table.

When you attempt to publish the report to the Power BI service, you receive an error message.

You need to resolve the error and reduce the size of the data model. The solution must:

Minimize the number of queries executed during scheduled refreshes.

Prevent changes the columns in the original Orders table.

What should you do?

Select only one answer.

- A. Duplicate Orders, and then reference the duplicate.
- B. Move the four required columns to a new table and update the visuals to use the new table.
- C. Reference Orders, remove all columns from the reference except the four used on the report page, and disable load for Orders.
- D. Split the queries so that each visual queries only the required fields.

36. You have a folder that contains monthly transaction extract files.

Each file has the same columns and is named by year and month.

You need to combine the files into a single data table for reporting.

What should you do?

Select only one answer.

- A. Create a CSV data source for each file and append all the queries.
- B. Create a query that uses the Folder connector and add an index column.
- C. Query the folder and select Combine & Transform Data.
- D. Query the folder and select Transform Data.

37. Your company uses Power BI to analyze sales data. The data model includes a fact table called 'Sales' and a dimension table called 'Regions' with unique region names.

You need to filter sales data by region.

What should you do?

Select only one answer.

- A. Combine the 'Sales' and 'Regions' tables into a calculated table.
- B. Create a one-to-many relationship from the 'Regions' table to 'Sales' table.
- C. Enable bi-directional cross-filtering for relationships.
- D. Set the cross-filter direction of the existing relationship to single.

38. You are designing a data model in Power BI.

You need to avoid introducing ambiguity into your data model design.

Which type of cardinality should you avoid?

Select only one answer.

- A. many-to-many
- B. many-to-one
- C. one-to-many
- D. one-to-one

39. You have a Power BI model.

You need to assign items to a display folder.

Which three items can be assigned to a display folder? Each correct answer presents part of the solution.

Select all answers that apply.

- A. Calculated column
- B. Column
- C. Measure
- D. Report
- E. Table

40. You need to create a new hierarchy in Power BI Desktop.

What should you do first?

Select only one answer.

- A. From the Model view, drag-and-drop one column onto another column in the Fields pane.
- B. From the Model view, right-click on a column name and select Create hierarchy.
- C. From the Report view, drag-and-drop one column onto another column in the Fields pane.

41. You create a data model in Power BI Desktop that contains DAX calculated columns and measures. You now need to create a report.

In which two places can a DAX calculated column be used, but a DAX calculated measure cannot be used? Each correct answer presents a complete solution.

Select all answers that apply.

- A. as a filter in the “Filters on this page” well of the Filters pane
- B. as a filter in the “Filters on this visual” well of the Filters pane
- C. as an item in the “Add drill-through fields here” well of the Visualizations pane
- D. as an item in the Fields well of a slicer

42. You need to develop a quick measure in Power BI Desktop.

Which two elements can you use? Each correct answer presents a complete solution.

Select all answers that apply.

- A. Calculations
- B. Conditional columns
- C. Data Analysis Expression (DAX) queries
- D. Fields
- E. Power Query M functions

43. You have a Power BI Desktop semantic model that includes a table named Warehouse. The Warehouse table includes a column named Inventory Count, which contains the current number of items for each row of a particular type on a given day.

You have the following Data Analysis Expression (DAX) query that calculates the sum of all values in the Inventory Count column of the Warehouse table:

Current Inventory Count =

CALCULATE (

SUM ('Warehouse'[Inventory Count]))

You need to ensure that Current Inventory Count returns only the current total number of inventory items, rather than the sum of all inventory items that includes item counts from previous days.

What DAX function should you include in the query?

Select only one answer.

- A. CALENDAR
- B. CALENDARAUTO
- C. DISTINCTCOUNT
- D. LASTDATE

44. You need to use DAX quick measures to generate results to use in a report.

Which type of DAX quick measure calculations will NOT work against a DirectQuery table?

Select only one answer.

- A. aggregate per category
- B. mathematical operations
- C. time intelligence
- D. X-functions

45. You have a Power BI Desktop semantic model based on a star schema data source.

You need to use Data Analysis Expression (DAX) to create a date table in the dataset and populate the table with a range of dates based on the earliest and latest date within the semantic model.

Which function should you use?

Select only one answer.

- A. CALENDAR
- B. CALENDARAUTO
- C. DATE
- D. DATEDIFF

46. In Power BI Desktop, you plan to use M-language to define a common date table spanning a period of 10 years.

You need identify the M language function that would allow you to specify that rows in the table should represent consecutive days within the date range you designated. Your solution must minimize administrative effort.

Which syntax should you use?

Select only one answer.

- A. #date
- B. #duration
- C. List.Combine
- D. List.Durations

47. You need to reduce the size of a Power BI semantic model that contains two dimension tables named Date and Location, and one fact table named Temperatures. The Temperatures table contains the following fields:

Reading Time (datetime)

DateKey (date)

LocationKey (whole number)

Temp C (decimal)

You have one row for every 5-minute interval for each location. The Temperatures table is related to the Date and Location dimensions by using many-to-one relationships.

You need to reduce the cardinality of the table. The solution must ensure that the semantic model supports reports that analyze average temperature by hour and location.

What two actions should you perform? Each correct answer presents part of the solution.

Select all answers that apply.

- A. Create a column that contains the time values for the start of the hour of the Reading Time value.
- B. Disable the query load on the Temperatures query in the Power Query Editor.
- C. Remove the rows that occur exactly at 0 minutes and 0 seconds on the hour.
- D. Use the Group By functionality to aggregate the rows by hour, DateKey, and LocationKey and then create an average Temp C value per row.
- E. Use the Group By functionality to aggregate the rows by DateKey, Reading Time, and LocationKey and then create a max Temp C value per row.

48. You plan to optimize the performance of Power BI Desktop queries against a remote data source.

You need to disable the default behavior that automatically applies cross highlighting and filtering of visuals within the same report.

Which option should you configure in Power BI Desktop?

Select only one answer.

- A. the Filters Query reduction settings
- B. the Persistent filters of Report settings
- C. the Reduce number of queries sent by Query reduction setting
- D. the Slicers Query reduction settings

49. You decide to remove unnecessary columns from your data model.

What are two potential performance benefits of doing this? Each correct answer presents a complete solution.

Select all answers that apply.

- A. decreasing report page load times
- B. increasing DAX performance
- C. increasing the refresh speed
- D. reducing the size of the data model

50. You have a Power BI Desktop PBIX file that contains a single page report with multiple visuals.

You plan to use Performance Analyzer to evaluate the performance of the visuals.

You need to eliminate the impact of visual caching during the evaluation.

What should you do first?

Select only one answer.

- A. Add a blank page to the PBIX file.
- B. Connect DAX Studio to the data model.
- C. Reopen the PBIX file.
- D. Start recording.

51. You are building a report for a stock trading floor where data changes every 30 seconds. The dataset is 20GB. Which storage mode should you use?

- A. Import Mode.
- B. DirectQuery
- C. Live Connection.
- D. Dual Mode.

52. Time Intelligence: Year-to-Date (DAX)

Question: You need to create a measure that shows the total sales for the current year up to the current date. Which DAX function is most appropriate?

- A. TOTALYTD(SUM(Sales[Amount]), 'Date'[Date])
- B. SUMX(Sales, Sales[Amount])
- C. CALCULATE(SUM(Sales[Amount]), ALL('Date'))
- D. SAMEPERIODLASTYEAR

53. You try to create a relationship between two tables, but Power BI gives a "circular dependency" error. What is the most likely cause?

- A. You have too many measures.
- B. You have a chain of relationships and calculated columns that reference each other, creating a closed loop.
- C. You are using DirectQuery.
- D. The tables have different numbers of rows.

54. What happens when you use a Measure inside a Calculated Column?

- A. It results in an error.
- B. It performs "Context Transition," turning the Row Context of the column into a Filter Context.
- C. It ignores all filters.
- D. It only works if the tables are not related.

55. You want a user to be able to view reports and interact with them, but not edit the reports or change permissions. Which workspace role should you assign?

- A. Admin.
- B. Member.
- C. Contributor.
- D. Viewer.

56. You need to switch between a "Development" SQL server and a "Production" SQL server without manually changing every query. What is the best method?

- A. Use a Power Query Parameter for the Server Name.
- B. Copy and paste the M-code.
- C. Create two separate PBIX files.
- D. Use Row-Level Security.

Answers:

- | | |
|---------|------------|
| 1-D | |
| 2-B | 36-C |
| 3-C | 37-B |
| 4-A | 38-A |
| 5-C | 39-A, B, C |
| 6-C | 40-B |
| 7-B | 41-A, D |
| 8-D | 42-A, D |
| 9-A, C | 43-D |
| 10-D | 44-C |
| 11-B | 45-B |
| 12-A | 46-B |
| 13-C, D | 47-A, D |
| 14-D | 48-C |
| 15-A, B | 49-C, D |
| 16-A | 50-A |
| 17-D | 51-B |
| 18-B | 52-A |
| 19-B | 53-B |
| 20-B | 54-B |
| 21-B | 55-D |
| 22-B, D | 56- A |
| 23-B, D | |
| 24-B | |
| 25-A, B | |
| 26-C | |
| 27-A, D | |
| 28-D | |
| 29-B | |
| 30-B | |
| 31-B | |
| 32-C | |
| 33-A | |
| 34-A | |
| 35-C | |