

## 70-778.microsoft

Number: 70-778  
Passing Score: 800  
Time Limit: 120 min



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## **Exam A**

### **QUESTION 1**

In the Power BI service, you create an app workplace that contains several dashboards.

You need to provide a user named user1@contoso.com with the ability to edit and publish dashboards.

What should you do?

- A. From the app workplace, click Update app, and then configure the Access settings.
- B. Share the dashboard, and then modify the Access settings of the dashboard.
- C. Configure security for the dataset used by the app.
- D. Modify the members of the app workspace.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

References: <https://docs.microsoft.com/en-us/power-bi/service-manage-app-workspace-in-power-bi-and-office-365>

### **QUESTION 2**

Your organization has a team of power users who recently created 20 Power BI dashboards.

The power users share the dashboards with other users in the organization.

When the users attempt to access the dashboards, they receive the error message shown in the exhibit. (Click the Exhibit.)

## Microsoft Power BI

Sorry...

We can't finish signing you up.

Your IT department has turned off signup for Microsoft Power BI.  
Contact them to complete signup.

[Learn about other ways to get Office](#)

You need to ensure that all the users can access the dashboards.  
What should you do first?.



- A. From the Microsoft Office 365 Admin center, and the Power BI (free) subscription, and then assign a license to each user.
- B. From the Power BI Admin portal, modify the Privacy Settings.
- C. From the properties of each dashboard, modify the Share dashboard settings.
- D. Instruct each user to install Microsoft Office 2016.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

References: <http://www.nubo.eu/en/blog/2016/12/Enable-PowerBI-On-Office-365/>

### QUESTION 3

#### DRAG DROP

You have a Microsoft Excel workbook that contains two tables.

From Power BI, you create a dashboard that displays data from the tables.

You update the tables each day.

You need to ensure that the virtualizations in the dashboard are updated daily.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to answer area and arrange them in the correct order.

**Select and Place:**

### Actions

For each dataset, modify the Schedule Refresh settings.

Download and install an on-premises data gateway (personal).

For each dataset, modify the Gateway Connection settings.

Add subscriptions for the reports.

Download and install Power BI Desktop.

### Answer Area



Correct Answer:

### Actions

|  |
|--|
|  |
|  |
|  |
| Add subscriptions for the reports.     |
| Download and install Power BI Desktop. |

### Answer Area

Download and install an on-premises data gateway (personal).

For each dataset, modify the Gateway Connection settings.

For each dataset, modify the Schedule Refresh settings.



Section: (none)

Explanation

**Explanation/Reference:**

Explanation:

References: <https://docs.microsoft.com/en-us/power-bi/refresh-scheduled-refresh>

**QUESTION 4**

You embed a Power BI report in a Microsoft SharePoint Online page.

A user name User1 can access the SharePoint Online page, but the Power BI web part displays the following error message: "This content isn't available".

User1 is unable to view the report.

You verify that you can access the SharePoint Online page and that the Power BI report displays as expected.

You need to ensure that User1 can view the report from SharePoint Online.

What should you do?

- A. Publish the app workspace.
- B. Edit the settings of the Power BI web part.
- C. Modify the members of the app workplace.
- D. Share the dashboards in the app workspace.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

References: <https://docs.microsoft.com/en-us/power-bi/service-embed-report-spo>

## QUESTION 5

### HOTSPOT

Your company plans to use Power BI for 20 users in the sales department. The users will perform the following tasks:

- Access a published Power BI app
- Modify reports in an app workspace
- Share dashboards created in My Workspace

You need to identify which Power BI licenses are required for the tasks. The solution must use the Power BI (free) licenses, whenever possible.

Which license should you identify for each task? To answer, select the appropriate options in the answer area.

**NOTE:** Each correct selection is worth one point.

**Hot Area:**

## Answer Area

**Access a published Power BI app:**

|                 |   |
|-----------------|---|
|                 | ▼ |
| Power BI (free) |   |
| Power BI PRO    |   |

**Modify report in an app workspace:**

|                 |   |
|-----------------|---|
|                 | ▼ |
| Power BI (free) |   |
| Power BI PRO    |   |

**Share dashboards created in My Workspace:**

|                 |   |
|-----------------|---|
|                 | ▼ |
| Power BI (free) |   |
| Power BI PRO    |   |

**Correct Answer:**



## Answer Area

**Access a published Power BI app:**

|                 |   |
|-----------------|---|
|                 | ▼ |
| Power BI (free) |   |
| Power BI PRO    |   |

**Modify report in an app workspace:**

|                 |   |
|-----------------|---|
|                 | ▼ |
| Power BI (free) |   |
| Power BI PRO    |   |

**Share dashboards created in My Workspace:**

|                 |   |
|-----------------|---|
|                 | ▼ |
| Power BI (free) |   |
| Power BI PRO    |   |

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

References:

<https://docs.microsoft.com/en-us/power-bi/service-create-distribute-apps>  
<https://docs.microsoft.com/en-us/power-bi/service-collaborate-power-bi-workspace>

#### QUESTION 6

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?



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- A. From the properties of the dataset, create four Featured Q&A Questions.
- B. From the Format settings of the reports, modify the Page Information.
- C. From the properties of the dataset, modify the Q&A and Cortana settings.

D. From the properties of the workspace, modify the Language Settings.

**Correct Answer:** C

**Section:** (none)

**Explanation**

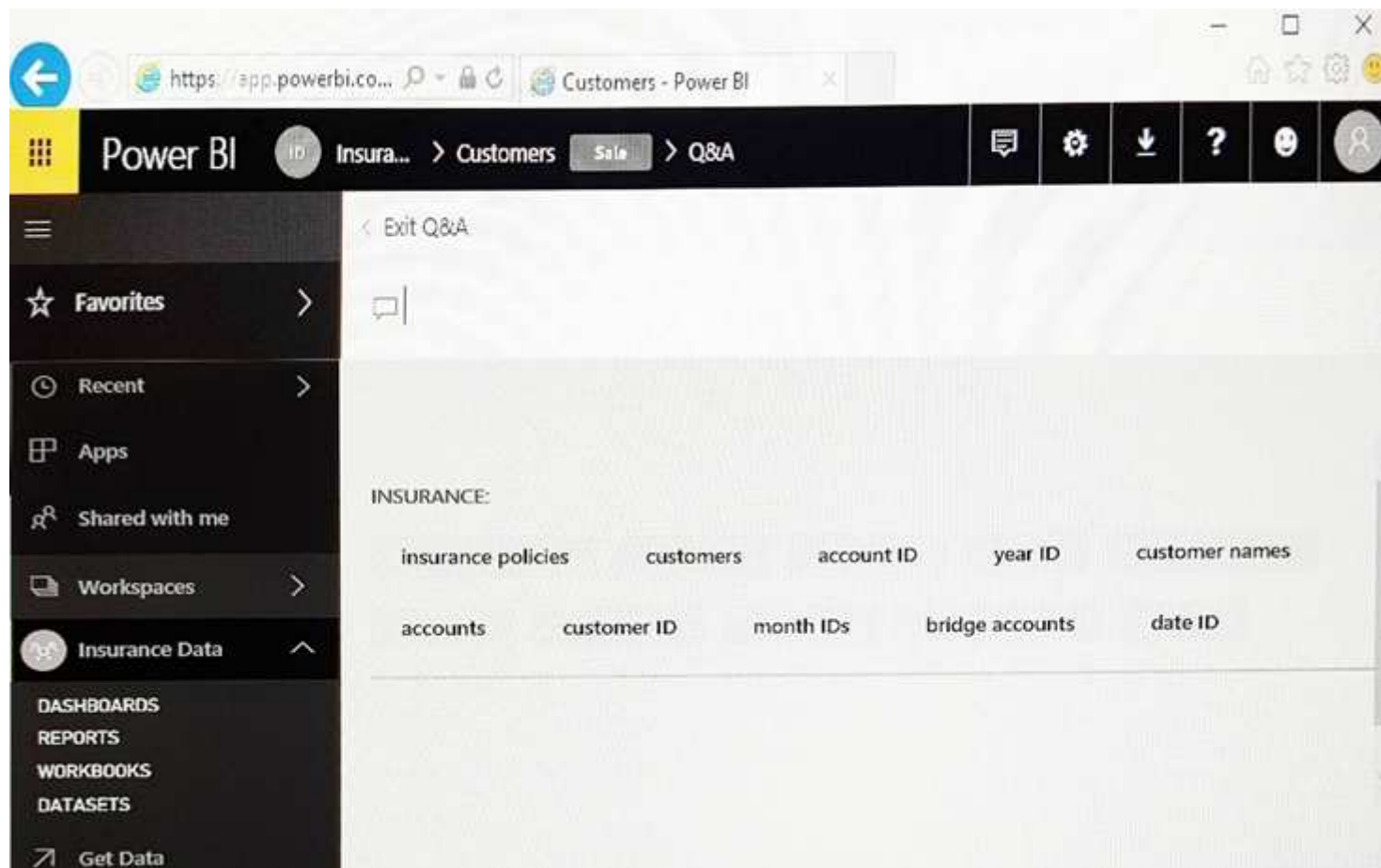
**Explanation/Reference:**

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

## **QUESTION 7**

HOTSPOT

You open powerbi.com as 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.

**Hot Area:**

**Answer Area**

A tenant administrator created a data classification that has a shorthand of [answer choice.]

|                |   |
|----------------|---|
|                | ▼ |
| Customers      |   |
| Insurance      |   |
| Insurance Data |   |
| Sale           |   |

The dashboard uses a dataset named [answer choice].

|                |   |
|----------------|---|
|                | ▼ |
| Customers      |   |
| Insurance      |   |
| Insurance Data |   |
| Sale           |   |

**Correct Answer:**

**Answer Area**

A tenant administrator created a data classification that has a shorthand of [answer choice.]

|                |   |
|----------------|---|
|                | ▼ |
| Customers      |   |
| Insurance      |   |
| Insurance Data |   |
| Sale           |   |

The dashboard uses a dataset named [answer choice].

|                |   |
|----------------|---|
|                | ▼ |
| Customers      |   |
| Insurance      |   |
| Insurance Data |   |
| Sale           |   |

Section: (none)  
Explanation

**Explanation/Reference:**

Explanation:

References: <https://docs.microsoft.com/en-us/power-bi/service-data-classification>

**QUESTION 8**

You plan to create a dashboard in the Power BI service that retrieves data from a Microsoft SQL Server database. The dashboard will be shared between the users in your organization.

You need to ensure that the users will see the current data when they view the dashboard.

How should you configure the connection to the data source?

- A. Deploy an on-premises data gateway (personal mode). Import the data by using the Import Data Connectivity mode.
- B. Deploy an on-premises data gateway. Import the data by using the Import Data Connectivity mode.
- C. Deploy an on-premises data gateway. Import the data by using the DirectQuery Data Connectivity mode.
- D. Deploy an on-premises data gateway (personal mode). Import the data by using the DirectQuery Data Connectivity mode.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

References: <https://docs.microsoft.com/en-us/power-bi/desktop-directquery-about#power-bi-connectivity-modes>

**QUESTION 9**

You have an on-premises Power BI Report Server.

You plan to create a report in Power BI Desktop and publish the report to the report server.

Which data source should the report use?

- A. Microsoft Azure SQL Database
- B. a Microsoft SQL Server database
- C. a Microsoft SQL Server Analysis Services (SSAS) database
- D. Microsoft Excel

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

References:

<https://docs.microsoft.com/en-us/power-bi/report-server/quickstart-create-powerbi-report>

<https://docs.microsoft.com/en-us/power-bi/report-server/connect-data-sources>

#### QUESTION 10

You have a Power BI app named App1. The privacy for the App1 workspace is set to Private.

A user named User1 reports that App1 does not appear in the My organization AppSource. App1 appears in the My organization AppSource for your account.

You need to ensure that User sees App1 from the My organization AppSource.

What should you do?



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- A. From the app workspace, click Update app, configure the Content settings, and then click Update app.
- B. From the app workspace settings, add a member.
- C. From the app workspace, click Update app, configure the Access setting, and then click Update app.
- D. From the app workspace, share the dashboard.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

References: <https://docs.microsoft.com/en-us/power-bi/service-organizational-content-pack-introduction#what-is-appsource>

#### QUESTION 11

You plan to embed multiple visualization in a public website.

Your Power BI infrastructure contains the visualizations configured as shown in the following table.

| Visualization name | Characteristic  |
|--------------------|---|
| Visual1            | Uses row-level security (RLS)   |
| Visual2            | Uses a dataset that is stored in Microsoft OneDrive for Business                          |
| Visual3            | Contained in a report that was shared to your user account                                |
| Visual4            | Is a custom visual  |
| Visual5            | Uses a dataset from an on-premises Microsoft SQL Server Analysis Services (SSAS) database |

Which two visualizations can you embed into the website? Each correct answer presents a complete the solution.

**NOTE:** Each correct selection is worth one point.

- A. Visual1
- B. Visual2
- C. Visual3
- D. Visual4
- E. Visual5

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

References: <https://docs.microsoft.com/en-us/power-bi/service-publish-to-web>

## QUESTION 12

You have a Power BI dashboard that displays different visualizations of company sales.

You enable Q&A on the dashboard.

You need to provide users with sample questions that they can ask when using Q&A.

Which settings should you modify from the Power BI Settings?



- A. Subscriptions
- B. Dashboards
- C. Datasets
- D. Workbooks

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

References: <https://docs.microsoft.com/en-us/power-bi/service-q-and-a-create-featured-questions>

### QUESTION 13

You have an app workspace named Retail Analysis in the Power BI service.  
You need manage the members that have access to the app workspace.  
What should you do?

- A. From the Power BI Admin portal, click Usage metrics.
- B. From the Office 365 Admin center, click Users.
- C. From the Office 365 Admin center, click Groups.
- D. From the Power BI Admin portal, click Tenant settings.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

References: <https://docs.microsoft.com/en-us/power-bi/service-manage-app-workspace-in-power-bi-and-office-365>

### QUESTION 14

You plan to use Power BI Desktop optimized for Power BI Report Server to create a report. The report will be published to Power BI Report Server.  
You need to ensure that all the visualization in the report can be consumed by users.  
Which two types of visualizations should you exclude from the report? Each correct answer presents part of the solution.

**NOTE:** Each correct selection is worth one point.

- A. Funnel charts
- B. Custom visuals

- C. Bubble maps
- D. Breadcrumbs
- E. R visuals

**Correct Answer:** DE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

References: <https://powerbi.microsoft.com/en-us/guided-learning/reportserver-quickstart-powerbi-report/>

### QUESTION 15

You have a workspace that contains 10 dashboards. A dashboard named Sales Data from two datasets.

You discover that users are unable to find data on the dashboard by using natural language queries.

You need to ensure that the users can find data by using natural language queries.

What should you do?

- A. From the settings of the workspace, modify the Language Settings.
- B. From the properties of the dashboard, modify the Q&A settings.
- C. From the Sales Data dashboard, modify the dashboard as a Favorite.
- D. From the properties of the datasets, modify the Q&A and Cortana settings.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

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

### QUESTION 16

DRAG DROP

**Note:** This question is a part of a series of questions that present the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is exactly the same in each question in this series.

**Start of repeated scenario**

You have a Microsoft SQL Server database that contains the following tables.

| Table name      | Column name     | Data type    |
|-----------------|-----------------|--------------|
| Order           | Order_ID        | Integer      |
|                 | Order_date      | Datetime     |
|                 | Order_amount    | Currency     |
|                 | Customer_ID     | Integer      |
|                 | Order_ship_date | Datetime     |
|                 | Store_ID        | Varchar(100) |
| Customer        | Customer_ID     | Integer      |
|                 | First_name      | Varchar(100) |
|                 | Last_name       | Varchar(100) |
|                 | Customer_photo  | Binary       |
| Date            | Date_ID         | Integer      |
|                 | Date_name       | Datetime     |
|                 | Month           | Integer      |
|                 | Week            | Integer      |
|                 | Year            | Integer      |
| Monthly_returns | Month_ID        | Integer      |
|                 | Total_returns   | Float        |
|                 | Store_ID        | Varchar(100) |
| Store           | Store_ID        | Integer      |
|                 | Name            | Varchar(100) |
|                 | City            | Varchar(100) |
|                 | Sales_target    | Float        |

The following columns contain data information:

- Date[Month] in the mmyyyy format
- Date[Date\_ID] in the ddmmyyyy format
- Date[Date\_name] in the mm/dd/yyyy format
- Monthly\_returns[Month\_ID] in the mmyyyy format

The Order table contains more than one million rows.

The Store table has relationship to the Monthly\_returns table on the Store\_ID column. This is the only relationship between the tables.

You plan to use Power BI desktop to create an analytics solution for the data.

**End of repeated scenario.**

You need to display the month as a three-letter abbreviation, followed by the year, such as jan2017.

You add a calculated column in Power BI.

Which DAX formula should you use for the calculated column? To answer, drag the appropriate values to the correct targets. Each value 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.

**Select and Place:**

### Values

Combin

CombinA

CONCATENATE

CONCATENATEX

M

MM

MMM

MMMM

### Answer Area

Column=  (FORMAT (MONTH ([Date\_name])  
, ""), FORMAT(MONTH ([Date\_name]), "yyyy" ))

**Correct Answer:**

### Values

Combin

CombinA

CONCATENATEX

M

MMM

MMMM

### Answer Area

Column= CONCATENATE (FORMAT (MONTH ([Date\_name])  
, “ MM ”), FORMAT(MONTH ([Date\_name]), “yyyy” ))

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

References: <https://msdn.microsoft.com/en-us/library/ee634811.aspx>

**QUESTION 17**

**Note:** This question is a part of a series of questions that present the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is exactly the same in each question in this series.

**Start of repeated scenario**

You have a Microsoft SQL Server database that contains the following tables.



| Table name      | Column name     | Data type    |
|-----------------|-----------------|--------------|
| Order           | Order_ID        | Integer      |
|                 | Order_date      | Datetime     |
|                 | Order_amount    | Currency     |
|                 | Customer_ID     | Integer      |
|                 | Order_ship_date | Datetime     |
|                 | Store_ID        | Varchar(100) |
| Customer        | Customer_ID     | Integer      |
|                 | First_name      | Varchar(100) |
|                 | Last_name       | Varchar(100) |
|                 | Customer_photo  | Binary       |
| Date            | Date_ID         | Integer      |
|                 | Date_name       | Datetime     |
|                 | Month           | Integer      |
|                 | Week            | Integer      |
|                 | Year            | Integer      |
| Monthly_returns | Month_ID        | Integer      |
|                 | Total_returns   | Float        |
|                 | Store_ID        | Varchar(100) |
| Store           | Store_ID        | Integer      |
|                 | Name            | Varchar(100) |
|                 | City            | Varchar(100) |
|                 | Sales_target    | Float        |

The following columns contain data information:

- Date[Month] in the mmyyyy format
- Date[Date\_ID] in the ddmmyyyy format
- Date[Date\_name] in the mm/dd/yyyy format
- Monthly\_returns[Month\_ID] in the mmyyyy format

The Order table contains more than one million rows.

The Store table has relationship to the Monthly\_returns table on the Store\_ID column. This is the only relationship between the tables.

You plan to use Power BI desktop to create an analytics solution for the data.

#### **End of repeated scenario.**

You are modifying the model to report on the number of order.

You need to calculate the number of orders.

What should you do?



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- A. Create a calculated measure that uses the COUNTA(Order\_ID) DAX formula.
- B. Create a calculated measure that uses the SUM (Order\_ID) DAX formula.
- C. Create a calculated column that uses the SUM (Order\_ID) DAX formula.
- D. Create a calculated column that uses the COUNTA (Order\_ID) DAX formula.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

References: <https://docs.microsoft.com/en-us/power-bi/desktop-tutorial-create-measures>

#### **QUESTION 18**

**Note:** This question is a part of a series of questions that present the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is exactly the same in each question in this series.

**Start of repeated scenario**

You have a Microsoft SQL Server database that contains the following tables.

| Table name      | Column name     | Data type    |
|-----------------|-----------------|--------------|
| Order           | Order_ID        | Integer      |
|                 | Order_date      | Datetime     |
|                 | Order_amount    | Currency     |
|                 | Customer_ID     | Integer      |
|                 | Order_ship_date | Datetime     |
|                 | Store_ID        | Varchar(100) |
| Customer        | Customer_ID     | Integer      |
|                 | First_name      | Varchar(100) |
|                 | Last_name       | Varchar(100) |
|                 | Customer_photo  | Binary       |
| Date            | Date_ID         | Integer      |
|                 | Date_name       | Datetime     |
|                 | Month           | Integer      |
|                 | Week            | Integer      |
|                 | Year            | Integer      |
| Monthly_returns | Month_ID        | Integer      |
|                 | Total_returns   | Float        |
|                 | Store_ID        | Varchar(100) |
| Store           | Store_ID        | Integer      |
|                 | Name            | Varchar(100) |
|                 | City            | Varchar(100) |
|                 | Sales_target    | Float        |

The following columns contain data information:

- Date[Month] in the mmyyyy format
- Date[Date\_ID] in the ddmmyyyy format
- Date[Date\_name] in the mm/dd/yyyy format
- Monthly\_returns[Month\_ID] in the mmyyyy format

The Order table contains more than one million rows.

The Store table has relationship to the Monthly\_returns table on the Store\_ID column. This is the only relationship between the tables.

You plan to use Power BI desktop to create an analytics solution for the data.

**End of repeated scenario.**

You plan to create a chart that displays total Order [Order\_amount] by Store [Name].

You need to modify the model to ensure that you can create the chart.

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

**NOTE:** Each correct selection is worth one point.

- A. To the Order table, add a column that uses the RELATED('Store' [Store\_ID]) DAX formula.
- B. Create a relationship between the Order table and the Store table.
- C. To the Order table, add a measure that uses the COUNT ('Order'[Order\_amount]) DAX formula.
- D. To the order table, add a measure that uses the SUM ('Order' [Order\_amount]) DAX formula.

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

References:

<https://docs.microsoft.com/en-us/power-bi/desktop-tutorial-create-measures>

<https://docs.microsoft.com/en-us/power-bi/desktop-tutorial-create-calculated-columns>

**QUESTION 19**

DRAG DROP

**Note:** This question is a part of a series of questions that present the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is exactly the same in each question in this series.

**Start of repeated scenario**

You have a Microsoft SQL Server database that contains the following tables.

| Table name      | Column name     | Data type    |
|-----------------|-----------------|--------------|
| Order           | Order_ID        | Integer      |
|                 | Order_date      | Datetime     |
|                 | Order_amount    | Currency     |
|                 | Customer_ID     | Integer      |
|                 | Order_ship_date | Datetime     |
|                 | Store_ID        | Varchar(100) |
| Customer        | Customer_ID     | Integer      |
|                 | First_name      | Varchar(100) |
|                 | Last_name       | Varchar(100) |
|                 | Customer_photo  | Binary       |
| Date            | Date_ID         | Integer      |
|                 | Date_name       | Datetime     |
|                 | Month           | Integer      |
|                 | Week            | Integer      |
|                 | Year            | Integer      |
| Monthly_returns | Month_ID        | Integer      |
|                 | Total_returns   | Float        |
|                 | Store_ID        | Varchar(100) |
| Store           | Store_ID        | Integer      |
|                 | Name            | Varchar(100) |
|                 | City            | Varchar(100) |
|                 | Sales_target    | Float        |

The following columns contain data information:

- Date[Month] in the mmyyyy format
- Date[Date\_ID] in the ddmmyyyy format
- Date[Date\_name] in the mm/dd/yyyy format
- Monthly\_returns[Month\_ID] in the mmyyyy format

The Order table contains more than one million rows.

The Store table has relationship to the Monthly\_returns table on the Store\_ID column. This is the only relationship between the tables.

You plan to use Power BI desktop to create an analytics solution for the data.

**End of repeated scenario.**

You need to configure a KPI indicator to show the monthly sales of a store versus the target sales of the store.

How should you configure the KPI indicator? To answer, drag the appropriate column to the correct fields. Each column 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.

**Select and Place:**



**COLUMNS**

Date[Date\_name]

Date[Month]

Order[Order\_amount]

Order[Order\_ID]

Store[Sales-target]

**Answer Area**

Indicator:

*COLUMNS*

Trend axis:

*COLUMNS*

Target goals:

*COLUMNS*

Correct Answer:



**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

References: <https://powerbi.microsoft.com/en-us/guided-learning/powerbi-service-tutorial-kpi/#how-to-create-a-kpi>

#### **QUESTION 20**

You plan to use Power BI Desktop to create a report. The report will consume data from an on-premises tabular named SalesDB in Microsoft SQL Server Analysis

Services (SSAS). The report will be published to the Power BI service.

You need to ensure that the report published to the Power BI service will access the current data in SalesDB.

What should you do?

- A. Deploy an on-premises data gateway and configure the connection to SalesDB to use the Import Data Connectivity mode.
- B. Deploy an on-premises data gateway and configure the connection to SalesDB to use the Connect live option.
- C. Deploy an on-premises data gateway (personal mode) and configure to SalesDB to use the DirectQuery Data Connectivity mode.
- D. Deploy an on-premises data gateway and configure the connection to SalesDB to use the DirectQuery Data Connectivity mode.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

References: <https://docs.microsoft.com/en-us/power-bi/desktop-use-directquery>

## QUESTION 21

DRAG DROP

You have a column named phone\_number. The values in the columns are in one of the following formats:

- 999-999-9999x123
- 1-999-999-9999x232
- +1-999-999-9999x66x666

The values after x in the phone-number column indicate the phone extension.

You need to create a custom column in Query Editor that contains only the phone extensions.

How should you complete the query? To answer, drag the appropriate values to the correct targets. Each value 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.

**Select and Place:**

### Answer Area

**AfterDelimiter**

**PositionOf**

**PositionOfAny**

**Range**

**RelativePosition**

**Removerange**

**TrimEnd**

Text. *Value* ([phone\_number], "x",  
{0, *Value* .FromEnd})

Correct Answer:

Answer Area

PositionOf

PositionOfAny

Range

Removerange

TrimEnd

Text. AfterDelimiter ([phone\_number], "x",  
{0, RelativePosition .FromEnd})

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

References: <https://msdn.microsoft.com/en-us/library/mt798301.aspx>

**QUESTION 22**

From Power BI Desktop, you create a query that imports the following table.

| City            |
|-----------------|
| UK-London       |
| France-Paris    |
| Spain-Madrid    |
| Canada-Montreal |

You need to configure the table to appear as shown in the following table.

| City     |
|----------|
| London   |
| Paris    |
| Madrid   |
| Montreal |

What should you do?



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- A. From the Extract menu, click Last Characters.
- B. From the Extract menu, click Text After Delimiter.
- C. From the Format menu, click Trim.
- D. From the Split Column menu, click BY Delimiter.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

References: <https://msdn.microsoft.com/en-us/library/mt798301.aspx>

### QUESTION 23

#### HOTSPOT

You have the following tables.

| Table name | Column name  |
|------------|--------------|
| Sales      | SalesOrderID |
|            | SalesDate    |
|            | OrderQty     |
|            | UnitPrice    |
|            | SalesAmount  |
|            | CustomerID   |
| Customer   | CustomerID   |
|            | CustomerName |
|            | Phone        |
|            | Email        |

You need to create a new table that displays the top 10 customers by the total of SalesAmount.  
How should you complete the DAX formula? To answer, select the appropriate options in the answer area.

**NOTE:** Each correct selection is worth one point.

**Hot Area:**

Answer Area

Top Customers= 

|        |
|--------|
|        |
| FILTER |
| MAX    |
| RANKX  |
| TOPN   |

 (10, 

|                  |
|------------------|
|                  |
| CALCULATETABLE   |
| SUMMARIZECOLUMNS |
| SUMMARIZE        |
| VALUES           |

)

(Customers', 'Customers' [CustomerName]), SUM ('Sales' [SalesAmount]), DESC)

**Correct Answer:**

Answer Area

Top Customers= 

|        |
|--------|
|        |
| FILTER |
| MAX    |
| RANKX  |
| TOPN   |

 (10, 

|                  |
|------------------|
|                  |
| CALCULATETABLE   |
| SUMMARIZECOLUMNS |
| SUMMARIZE        |
| VALUES           |

)

(Customers', 'Customers' [CustomerName]), SUM ('Sales' [SalesAmount]), DESC)

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

References: <https://msdn.microsoft.com/en-us/library/gg492198.aspx>



**QUESTION 24**

You plan to create several datasets by using the Power BI service.  
You have the files configured as shown in the following table.

| File name | File type | Size   | Location                        |
|-----------|-----------|--------|---------------------------------|
| Data 1    | TSV       | 50 MB  | Microsoft OneDrive              |
| Data 2    | XLSX      | 3 GB   | Local                           |
| Data 3    | XML       | 100 MB | Microsoft OneDrive for Business |
| Data 4    | CSV       | 2 GB   | Microsoft OneDrive              |
| Data 5    | JPG       | 5 MB   | Local                           |

You need to identify which files can be used as datasets.  
Which two files should you identify? Each correct answer presents part of the solution.

**NOTE:** Each correct selection is worth one point.

- A. Data 1
- B. Data2
- C. Data 3
- D. Data4
- E. Data 5

**Correct Answer:** AE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

References: <https://docs.microsoft.com/en-us/power-bi/service-get-data>

**QUESTION 25**

You have the following two queries in Power BI Desktop:

- A query named Query1 that retrieves a table named SMB\_Customers from a Microsoft SQL Server database

- A query named Query2 that retrieves a table named Enterprise\_Customers from an Oracle database

Both tables have the same columns.

You need to combine the data from SMB\_Customers and Enterprise\_Customers.

Which command should you use?

- A. Combine Files
- B. Merge Columns
- C. Merge Queries
- D. Append Queries

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

References: <http://radacad.com/append-vs-merge-in-power-bi-and-power-query>

#### **QUESTION 26**

You have a table in Power BI Desktop as shown in the following exhibit.

|    | Id | Key     | Value |
|----|----|---------|-------|
| 1  | 1  | Student | Tom   |
| 2  | 1  | Class   | 101   |
| 3  | 1  | Score   | 80    |
| 4  | 2  | Student | Jane  |
| 5  | 2  | Class   | 101   |
| 6  | 2  | Score   | 89    |
| 7  | 3  | Student | Larry |
| 8  | 3  | Class   | 102   |
| 9  | 3  | Score   | 95    |
| 10 | 3  | Score   | 70    |

You pivot the columns as shown in the following exhibit.

|   | 123 | Id | ABC 123 Student | ABC 123 Class | ABC 123 Score |
|---|-----|----|-----------------|---------------|---------------|
| 1 |     | 1  | Tom             | 101           | 80            |
| 2 |     | 2  | Jane            | 101           | 89            |
| 3 |     | 3  | Larry           | 102           | Error         |

You need to resolve the error in row3. The solution must preserve all the data.

What should you do?



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- A. Change the Data Type of the Value column.
- B. Select the Score column, and then click Remove Errors.
- C. Select the Key column, and then click Remove Duplicates
- D. Change the Aggregate Value Function of the pivot.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

References: <https://docs.microsoft.com/en-us/power-bi/desktop-common-query-tasks>

## QUESTION 27

### HOTSPOT

You have a query that retrieves data from a Microsoft Azure SQL database.

You discover that column named ErrorCode has several values starting with a space character, and a column named SubStatus contains several non-printable

characters.

You need to remove all the leading whitespaces from ErrorCode and all the non-printable characters from SubStatus. All other data must be retained.

What should you do on each column? To answer, drag the appropriate tasks to the correct columns. Each task 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.

**Hot Area:**

**Answer Area**

**ErrorCode:**

|  |   |
|--|---|
|  | ▼ |
| From the Extract menu, click First Characters. |   |
| From the Extract menu, click Length.           |   |
| From the Extract menu, click Clean.            |   |
| From the Extract menu, click Trim.             |   |

**SubStatus:**

|  |   |
|--|---|
|  | ▼ |
| From the Extract menu, click First Characters. |   |
| From the Extract menu, click Length.           |   |
| From the Extract menu, click Clean.            |   |
| From the Extract menu, click Trim.             |   |

**Correct Answer:**

**Answer Area**

**ErrorCode:**

|  |   |
|--|---|
|  | ▼ |
| From the Extract menu, click First Characters. |   |
| From the Extract menu, click Length.           |   |
| From the Extract menu, click Clean.            |   |
| From the Extract menu, click Trim.             |   |

**SubStatus:**

|  |   |
|--|---|
|  | ▼ |
| From the Extract menu, click First Characters. |   |
| From the Extract menu, click Length.           |   |
| From the Extract menu, click Clean.            |   |
| From the Extract menu, click Trim.             |   |

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

References:

<https://msdn.microsoft.com/en-us/library/mt260494.aspx>

<https://msdn.microsoft.com/en-us/library/mt253328.aspx>

**QUESTION 28**

You have a Microsoft SharePoint Online site named Sales.

Your company has 1,000 sales users. All the sales users can access Sales.

You create a report in an app workspace in the Power BI service. You embed the report into a page on the Sales site by using the Power BI web part.

You need to ensure that all the sales can view the report from the Sales site.

What should you do?

A. Configure the app workspace for Premium capacity.

- B. Enable anonymous access for the Sales site.
- C. Configure the Portal Site Connection for the Sales site.
- D. Disable the Embed content in apps setting from the Tenant settings in Power BI.

**Correct Answer: A**

**Section: (none)**

**Explanation**

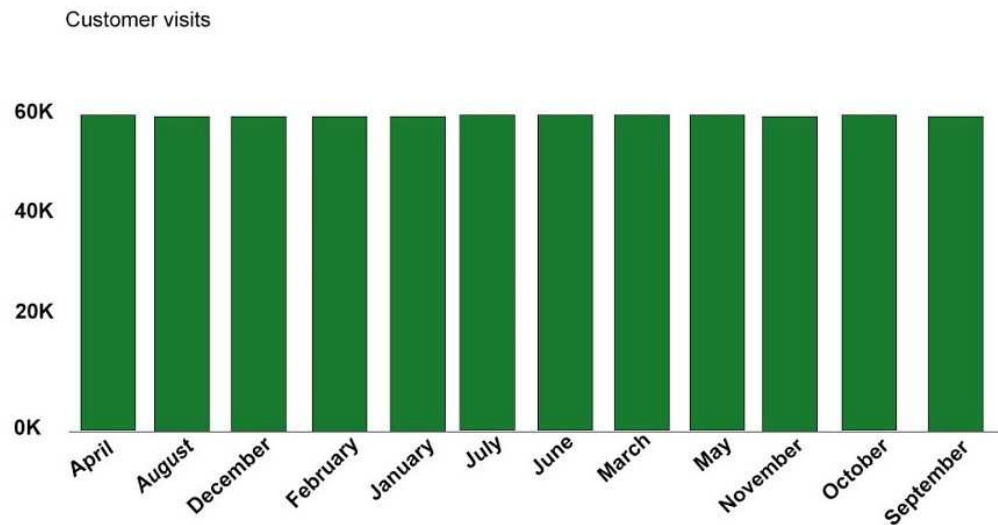
**Explanation/Reference:**

References: <https://docs.microsoft.com/en-us/power-bi/service-embed-report-spo>

### QUESTION 29

You have two tables named CustomerVisits and Date in a Power BI model.

You create a measure to calculate the number of customer visits. You use the measure in the report shown in the exhibit. (Click the Exhibit.)



You discover that the total number of customer visits was 60,000, and that there were only 5,000 customer visits in August.

You need to fix the report to display the correct data for each month.

What should you do?

- A. Create a relationship between the CustomerVisits table and the Date table.
- B. Create a hierarchy in the Date table.
- C. Modify the n=measure to use the CALCULATE DAX function.
- D. Modify the measure to use the SUM DAX function.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

References:

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

<https://docs.microsoft.com/en-us/power-bi/desktop-tutorial-create-measures>

### **QUESTION 30**

**DRAG DROP**

You have the following two tables:

- Subscriber (SubscriberID, EnrollmentDate, ServicePlan)
- Date (Date, Month, week, Year)

There is a relationship between Subscriber [EnrollmentDate] and Date[Date].

You plan to create a KPI for the number of subscribers enrolled in the current year.

You need to create a goal that is five percent more than the number of subscribers enrolled during the previous calendar year.

How should you complete the DAX formula? To answer, drag the appropriate values to the correct targets. Each value 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.

**Select and Place:**



| Values         | Answer Area                                    |
|----------------|--|
| CALCULATE      | goal= [ ] ( [ ] ('Subscriber' [SubscriberID]), |
| COUNT          | [ ] ('Date'[Date]))*1.05                       |
| DATESYTD       |  |
| PARALLELPERIOD |  |
| PREVIOUSYEAR   |  |
| SUMX           |  |
| TOTALYTD       |  |

Correct Answer:



**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

References:

[https://msdn.microsoft.com/en-us/library/hh272049\(v=sql.110\).aspx](https://msdn.microsoft.com/en-us/library/hh272049(v=sql.110).aspx)

<https://msdn.microsoft.com/en-us/library/ee634770.aspx>

### QUESTION 31

You have a Power BI report that is configured to use row-level security (RLS).

You have the following roles:

- A manager role that limits managers to see only the sales data from the stores they manage.

- A region role that limits users to see only the data from their respective region

You plan to use Power BI Embedded to embed the report into an application. The application will authenticate the users.

You need to ensure that RLS is enforced when accessing the embedded report.

What should you do?

- A. In the access token for the application, include the user name and the role name.
- B. In the access token for the application, include the report URL and the Microsoft Azure Active Directory Domain name.
- C. From dev.powerbi.com/apps, register the new application and enable the Read All Reports API access.
- D. From dev.powerbi.com/apps, register the new application and enable the Read All Groups API access.

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

References: <https://docs.microsoft.com/en-us/power-bi/developer/embedded-row-level-security>

### **QUESTION 32**

You have a Power BI report in an app workspace.

You plan to embed a report from the app workspace into a line-of-business application by using Power BI Embedded.

Which information should you provide to the application developers?

- A. The application token and the report URL
- B. The report URL and a user name
- C. The app workspace name and the access key
- D. The access key and the report ID

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

References: <https://docs.microsoft.com/en-us/power-bi/developer/integrate-report>



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