

Question 1

What is the benefit of using a report tooltip?

(Creating Reports)

- A. To give users the ability to export data from the visual.
- B. To provide additional detail that is specific to the context of the data that is being hovered over.
- C. To give users additional information about a report visual, such as the author and date/time it was created.

Answer: B

Question 2

Do you need to import custom visuals each time you want to use them when you are developing a new report?

(Creating Reports)

- A. Yes, custom visuals must be imported from AppSource each time you start developing a new report.
- B. No, custom visuals are always available for selection under the Visualization pane.
- C. No, custom visuals only need to be imported once and will always remain in Power BI for future use in a new report.

Answer: A

Question 3

Which of the following filters are not available in Power BI reports?

(Creating Reports)

- A. Drillthrough
- B. Report level
- C. Page type
- D. Page level

Answer: C

Question 4

How can you analyze performance of each of your report elements?

(Creating Reports)

- A. By using performance analyzer.
- B. By analyzing your metadata.
- C. By deleting unnecessary rows and columns to reduce your dataset size.

Answer: A

Question 5

Can you use bookmarks to create a slide show in Power BI?

(Creating Reports)

- A. No, you cannot, because bookmarks are not dynamic.
- B. Yes, you can, by adding buttons as navigation to go between saved bookmarks.
- C. No, you will require a specific visual to achieve this task.

Answer: B

Question 6

You have a custom connector that returns ID, From, To, Subject, Body, and Has Attachments for every email sent during the past year. More than 10 million records are returned.

You build a report analyzing the internal networks of employees based on whom they send emails to.

You need to prevent report recipients from reading the analyzed emails. The solution must minimize the model size. What should you do?

(Creating Reports)

- A. Implement row-level security (RLS) so that the report recipients can only see results based on the emails they sent.
- B. Remove the Subject and Body columns during the import.
- C. From Model view, set the Subject and Body columns to Hidden.

Answer: B

A, C: Does not reduce the size of the model.

Question 7

Your company has training videos that are published to Microsoft Stream. You need to surface the videos directly in a Microsoft Power BI dashboard. Which type of tile should you add?

(Creating Reports)

- A. Video
- B. Custom streaming data
- C. Text box

D. Web content

Answer: B

The only way to visualize a streaming dataset is to add a tile and use the streaming dataset as a custom streaming data source.

Reference:

<https://docs.microsoft.com/en-us/power-bi/connect-data/service-real-time-streaming#streaming-dataset>

Question 8

You create a dashboard by using the Microsoft Power BI Service. The dashboard contains a card visual that shows total sales from the current year.

You grant users access to the dashboard by using the Viewer role on the workspace.

A user wants to receive daily notifications of the number shown on the card visual.

You need to automate the notifications. What should you do?

(Creating Reports)

- A. Create a data alert.
- B. Share the dashboard to the user.
- C. Create a subscription.
- D. Tag the user in a comment.

Answer: C

You can subscribe yourself and your colleagues to the report pages, dashboards, and paginated reports that matter most to you. Power BI e-mail subscriptions allow you to:

- Decide how often you want to receive the emails: daily, weekly, hourly, monthly, or once a day after the initial data refresh.
- Choose the time you want to receive the email, if you choose daily, weekly, hourly, or monthly.

Note: Email subscriptions don't support most custom visuals. The one exception is those custom visuals that have been certified.

Email subscriptions don't support R-powered custom visuals at this time.

Incorrect Answers: A: Set data alerts to notify you when data in your dashboards changes beyond limits you set.

Reference:

<https://docs.microsoft.com/en-us/power-bi/collaborate-share/service-report-subscribe>
<https://docs.microsoft.com/en-us/power-bi/create-reports/service-set-data-alerts>

Question 9

You have a line chart that shows the number of employees in a department over time. You need to see the total salary costs of the employees when you hover over a data point.

What are two possible ways to achieve this goal?
(*Creating Reports*)

- A. Add a salary to the tooltips.
- B. Add a salary to the visual filters.
- C. Add salary to the drillthrough fields.

Answer: A&B

Question 10

You have a report that contains a bar chart and a column chart. The bar chart shows customer count by customer segment. The column chart shows sales by month. You need to ensure that when a segment is selected in the bar chart, you see which portion of the total sales for the month belongs to the customer segment.

How should the visual interactions be set on the column chart when the bar chart is selected?
(*Creating Reports*)

- A. No impact
- B. Highlight
- C. Filter

Answer: B

Reference:

<https://docs.microsoft.com/en-us/power-bi/create-reports/service-reports-visual-interactions>

Question 11

You build a report to help the sales team understand its performance and the drivers of sales. The team needs to have a single visualization to identify which factors affect success. Which type of visualization should you use?

(*Creating Reports*)

- A. Line and clustered column chart
- B. Key influencers
- C. Q&A
- D. Funnel chart

Answer: B

The key influencers visual helps you understand the factors that drive a metric you're interested in. It analyzes your data, ranks the factors that matter, and displays them as key influencers.

The key influencers visual is a great choice if you want to:

- See which factors affect the metric being analyzed.
- Contrast the relative importance of these factors. For example, do short-term contracts have more impact on churn than long-term contracts?

Reference:

<https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-influencers>

Question 12

You have a dataset named Pens that contains the following columns:

- Unit Price
- Quantity Ordered

You need to create a visualization that shows the relationship between Unit Price and Quantity Ordered. The solution must highlight orders that have a similar unit price and ordered quantity.

Which type of visualization and which feature should you use?

Answer Area

Visualization:	<div><div></div><div>A column chart of Quantity Ordered and Unit Price by year</div><div>A line chart of Quantity Ordered and Unit Price by item</div><div>A scatter plot of Quantity Ordered and Unit Price by item</div></div>
Feature:	<div><div></div><div>Automatically find clusters</div><div>Explain the decrease</div><div>Find where the distribution is different</div></div>

(Creating Reports)

Answer:

Box 1: A scatter plot.

A scatter chart always has two value axes to show: one set of numerical data along a horizontal

axis and another set of numerical values along a vertical axis. The chart displays points at the intersection of an x and y numerical value, combining these values into single data points. Power BI may distribute these data points evenly or unevenly across the horizontal axis. It depends on the data the chart represents.

Box 2: Automatically find clusters

Scatter charts are a great choice to show patterns in large sets of data, for example by showing linear or non-linear trends, clusters, and outliers.

Reference:

<https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-scatter>

Question 13

You have a table that contains sales data and approximately 1,000 rows.
You need to identify outliers in the table.

Which type of visualization should you use?
(*Creating Reports*)

- A. Donut chart
- B. Pie chart
- C. Area chart
- D. Scatter plot

Answer: D

Outliers are those data points that lie outside the overall pattern of distribution & the easiest way to detect outliers is through graphs. Box plots, Scatter plots can help detect them easily.

Reference:

<https://towardsdatascience.com/this-article-is-about-identifying-outliers-through-funnel-plots-using-the-microsoft-power-bi-d7ad16ac9ccc>

Question 14

You need to create a visualization that compares revenue and cost over time.

Which type of visualization should you use?
(*Creating Reports*)

- A. stacked area chart
- B. donut chart
- C. line chart
- D. waterfall chart

Answer: C

A line chart or line graph displays the evolution of one or several numeric variables. Data points are connected by straight line segments. A line chart is often used to visualize a trend in data over intervals of time "a time series" thus the line is often drawn chronologically.

Incorrect Answers:

A: Stacked area charts are not appropriate to study the evolution of each individual group: it is very hard to subtract the height of other groups at each time point.

Note: A stacked area chart is the extension of a basic area chart. It displays the evolution of the value of several groups on the same graphic. The values of each group are displayed on top of each other, what allows to check on the same figure the evolution of both the total of a numeric variable, and the importance of each group.

Reference:

<https://www.data-to-viz.com/graph/line.html>

Question 15

You have a collection of reports for the HR department of your company.
You need to create a visualization for the HR department that shows a historic employee count and predicts trends during the next six months.

Which type of visualization should you use?
(*Creating Reports*)

- A. Key influencers
- B. Ribbon chart
- C. Line chart
- D. Scatter chart

Answer: C

The best data for forecasting is time series data or uniformly increasing whole numbers. The line chart has to have only one line.

Try forecasting: Try the new forecasting capabilities of Power View today on your own data or with the sample report available as part of the Power BI report samples. To view your own data, upload a workbook with a Power View time series line chart to Power BI for Office 365.

Reference:

<https://powerbi.microsoft.com/en-us/blog/introducing-new-forecasting-capabilities-in-power-view-for-office-365>

Question 16

You are developing a sales report that will have multiple pages. Each page will answer a

different business question.

You plan to have a menu page that will show all the business questions.

You need to ensure that users can click each business question and be directed to the page where the question is answered. The solution must ensure that the menu page will work when deployed to any workspace.

What should you include on the menu page?

(Creating Reports)

- A. Create a text box for each business question and insert a link.
- B. Create a button for each business question and set the action type to Bookmark.
- C. Create a Power Apps visual that contains a drop-down list. The drop-down list will contain the business questions.

Answer: B

Reference:

<https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/powerapps-custom-visual>

Question 17

Which of the following is a common use case for scatter charts?

(Creating Reports)

- A. Show changes in values over time
- B. Show patterns in large sets of data
- C. Show comparisons across categories
- D. All of the above

Answer: B

Common use cases for scatter charts include showing patterns in large sets of data, showing linear & non-linear trends, performing cluster analysis, and identifying outliers.

Question 18

On which of the following chart types can you add a forecast based on a specific number of periods?

(Creating Reports)

- A. Scatter charts
- B. Line charts
- C. Clustered column charts
- D. All of the above

Answer: B

Only line charts have forecast in the chart analytics options.

Question 19

The Q&A visual lets you explore data "in your own words" using what?
(*Creating Reports*)

- A. DAX
- B. M Code
- C. Natural language queries
- D. SQL

Answer: C

Question 20

Which of the following filter options applies only to the specific visual in which it is defined?
(*Creating Reports*)

- A. Visual level
- B. Page level
- C. Report level
- D. Drill through

Answer: A

Visual level filters apply only to the specific visual in which they are defined.

Question 21

Which filter setting would you use if you wanted to return the top 3 categories by total profit?
(*Creating Reports*)

- A. Basic
- B. Advanced
- C. Top N
- D. Dynamic

Answer: C

Top N options allow you to filter the top "n" number of items by a specified value or measure.

Question 22

What object could you add to a dashboard if the user would like an interactive way to sort and

filter the data using dates?
(*Creating Reports*)

- A. Categorical Slicer
- B. Date Slicer
- C. Top N Filter
- D. Report Level Filter

Answer: B

Slicers provide an interactive way for users to sort and filter a report, and date slicers are exclusively for date fields.

Question 23

What visual could you use if you wanted to understand the factors that drive a specific metric?
(*Creating Reports*)

- A. Decomposition Tree
- B. Line Chart
- C. Key Influencers
- D. Treemap

Answer: C

The key influencers visual helps you understand the factors that drive a specific metric.

Question 24

Which visual allows you to break down a measure across multiple dimensions?
(*Creating Reports*)

- A. Decomposition Tree
- B. Line Chart
- C. Key Influencers
- D. Treemap

Answer: A

The decomposition tree visual allows you to perform exploratory analysis by successively breaking down a measure across multiple dimensions.

Question 25

Which of the following filter options applies to all visuals across all pages of the report?
(*Creating Reports*)

- A. Visual level
- B. Page level
- C. Report level
- D. Drill through

Answer: C

Report level filters apply to all visuals across all pages of the report.

Question 26

You have a workspace that contains 10 dashboards. A dashboard named Sales Data displays 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?

(Creating Reports)

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

Answer: C

You can modify the setting for Dataset property for sure. Not from Dashboard property.

Reference:

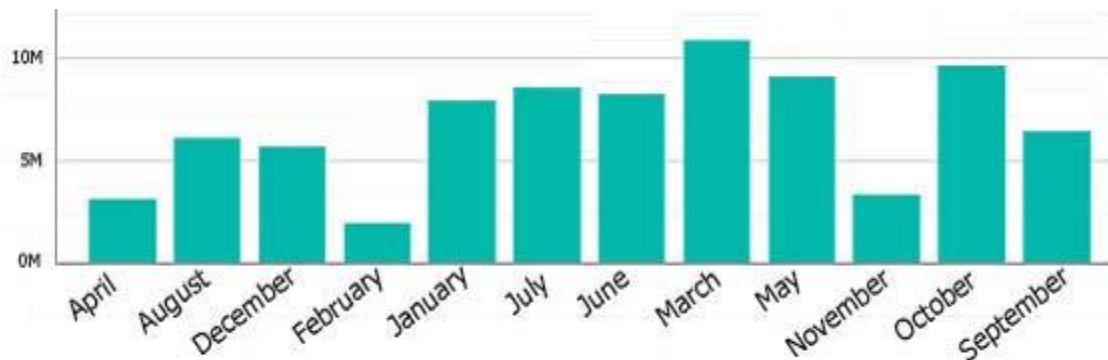
<https://docs.microsoft.com/en-us/power-bi/create-reports/service-q-and-a-direct-query#limitations-during-public-preview>

Question 27

You are creating a report in Power BI Desktop. You are consuming the following tables.

Total name	Column name	Data type
Sales	SalesID	Integer
	SalesDate	Datetime
	TotalPrice	Float
	CustomerID	Integer
	SalesShipDate	Datetime
	StoreID	Integer
Date	Date	Datetime
	DateKey	Integer
	DateName	Datetime
	MonthNumber	Integer
	Week	Integer
	MonthName	Varchar(3)
	Year	Integer

Date[Date] is in the mm/dd/yyyy format. Date[DateKey] is in the ddmmyyyy format. Date[MonthNumber] is in the mm format. Date[MonthName] is in the mmm format. You create the report shown in the exhibit.



You need to ensure that the months appear in the order of the calendar. How should you sort the MonthName column?

(Creating Reports)

- A. By MonthNumber
- B. Ascending
- C. Descending
- D. By DateKey

Answer: A

References:

<http://ppmworks.com/sorting-month-names-chronologically-in-microsoft-power-bi-reports/>

Question 28

You plan to develop a Power BI report that has a bar chart to display the number of customers by location.

You have a table named Customer that has the following columns:

- CustomerID
- CustomerName
- Address
- City
- ProvState
- Country

You need to allow users to drill down by location. The report will display the number of each customer by Country, and drill down to ProvState, and then to City. How should you configure the drill down in the bar chart?

(Creating Reports)

- A. In the Legend field, add Country. In the Axis field, add ProvState at the top, followed by City.
- B. In the Value field, add Country at the top, followed by ProvState, and then City.
- C. In the Value field, add Country. In the Legend field, add ProvState at the top, followed by City.
- D. In the Axis field, add Country at the top, followed by ProvState, and then City.

Answer: D

For drilldown drag-drop the fields in order into the same Axis bucket.

References:

<https://docs.microsoft.com/en-us/power-bi/guided-learning/visualizations#step-18>

<https://docs.microsoft.com/en-us/power-bi/power-bi-visualization-drill-down>

Question 29

You have a Power BI report that displays a bar chart and a donut chart on the same page. The bar chart shows the total sales by year and the donut chart shows the total sale by category. You need to ensure that when you select a year on the bar chart, the donut chart remains unchanged. What should you do?

(Creating Reports)

- A. Edit the interactions from the Format menu.
- B. Set a visual level filter on the bar chart.
- C. Set a visual level filter on the donut chart.
- D. Add a slicer to the page that uses the year column.

Answer: A

Question 30

You have a Power Pivot model that includes a KPI. You need to create a visualization based on the Power Pivot model as shown in the exhibit.

Year	Month	RevenueTY	RevenueTY Goal	RevenueTY Status
2013	August	\$4,689,121	\$4,521,528	●
	September	\$5,284,376	\$5,455,457	●
	October	\$5,962,371	\$6,418,957	●
	November	\$5,532,316	\$5,770,254	●
	December	\$6,714,041	\$6,771,982	●
	January	\$6,748,259	\$6,924,711	●
2014	February	\$6,999,557	\$7,328,599	●
	March	\$8,938,044	\$8,196,823	●
	April	\$8,518,611	\$8,142,711	●
	May	\$7,982,229	\$7,817,442	●
	June	\$9,183,416	\$9,227,351	●
	July	\$7,451,696	\$7,593,963	●
	August	\$8,068,372	\$7,791,851	●
	September	\$7,669,263	\$7,919,924	●
	October	\$7,813,739	\$7,592,288	●
	November	\$10,322...	\$9,857,259	●

Which type of visualization should you use?
(Creating Reports)

- A. Matrix
- B. KPI
- C. Multi row card
- D. Table

Answer: A

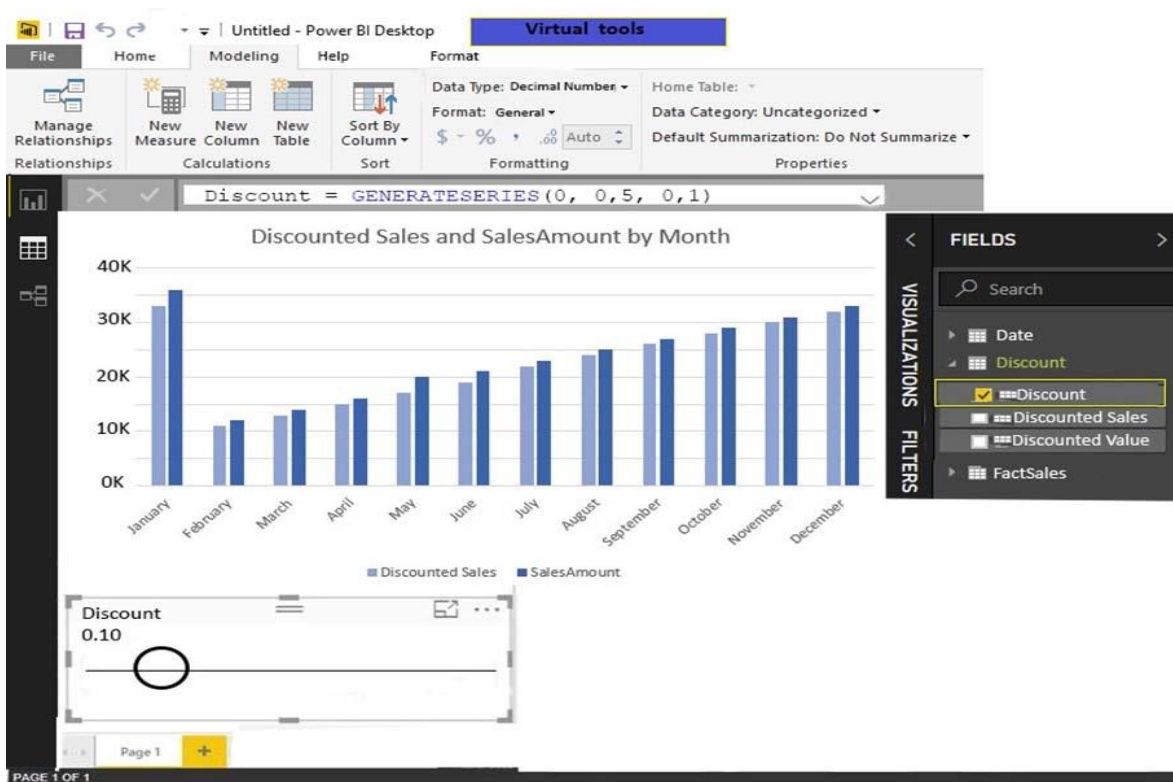
In a Table we will not have empty lines formatting for Year column.

Reference:

<https://www.biinsight.com/use-kpi-in-table-matrix-and-card-visualisations-in-power-bi/#more-4478>

Question 31

You have the report 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.

Answer Area

Discount[Discount] was created by using the [answer choice] command.

	▼
New Column	
New Measure	
New Parameter	
New Table	

The maximum value for the Discount slicer is [answer choice].

	▼
0.1	
0.5	
1	
50	

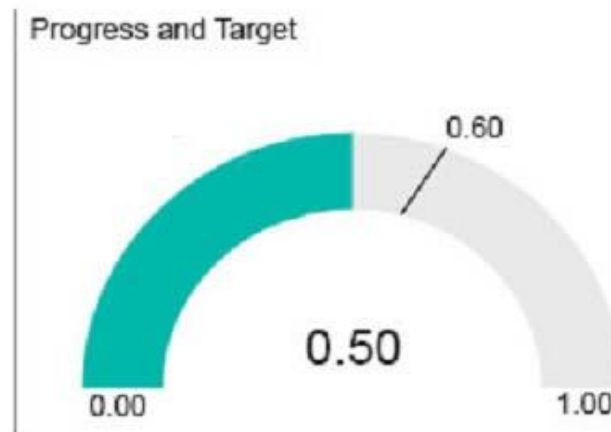
(Creating Reports)

Answer: **New Parameter and 0,5.**

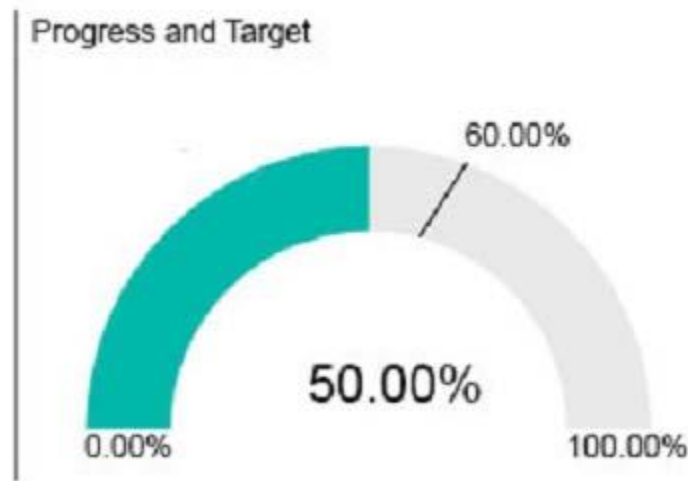
When using New Parameter, it automatically creates GENERATESERIES function. Second, in GENERATESERIES function the second parameter is the max value which is 0,5.

Question 32

You have the visualization shown in the following exhibit.



You need to display the values as shown in the following exhibit.



What should you do?

(Creating Reports)

- A. Create a calculated column that adds the % symbol to the values.
- B. From the Modeling tab, change the Data Type to Percentage.
- C. Edit the query of the data source and change the Data Type to Percentage.
- D. Create a measure that adds the % symbol to the values.

Answer: B

Go to "Table View" Modeling ribbon tab, change the Data Type to "percentage" and keep 2 decimal.

Reference:

<https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-radial-gauge-charts>

Question 33

You create a KPI visualization in Power BI Desktop that uses the month as the trend axis.
You discover that the data is not sorted by month.
You need to change the sort order of the visualization.

What should you do first?

(Creating Reports)

- A. Convert the visualization to a different type.
- B. Remove the trend axis from the visualization.
- C. Modify the visual level filters.
- D. Modify the drillthrough filters.

Answer: A

KPI doesn't have SORT option. You need to start over again.

Converting to different visual type just in order to view the month sequence, and then go to Table View, selecting the month column, and click "Sort by column" under Ribbon Tab "Table Tools", selecting the "Sort by Month #", and back to Visual interface, check the result (month(text) sequence), if ok, convert back to KPI visual.

Key Note: Once you convert the visualization to a KPI, there's no option to sort. You must sort it correctly now.

Reference:

<https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-kpi#how-to-create-a-kpi>

Question 34

You are creating a Power BI Desktop report that has several bar charts and a date slicer. You need to create a slide show that can be viewed from the Power BI service. Each slide must display the charts filtered for a different year.

What should you do before you publish the report?

(Creating Reports)

- A. Configure report level filters, and then create groups that use the List group type.
- B. Configure drillthrough filters for each bar chart, and then select Selection Pane.
- C. Filter the bar charts by using the slicer, and then create bookmarks.
- D. Configure page level filters, and then create groups that use the Bin group type.

Answer: C

You can use bookmarks to keep track of your own progress in creating reports (bookmarks are easy to add, delete, and rename) and you can create bookmarks to build a PowerPoint-like presentation that steps through bookmarks in order, thereby telling a story with your report.

References:

<https://docs.microsoft.com/en-us/power-bi/desktop-bookmarks>

Question 35

You have three Power BI Desktop projects named Report1.pbix, Report2.pbix, and Report3.pbix that have the following characteristics:

- Report1.pbix contains a custom visualization.
- Report2.pbix implements row level security.
- Report3.pbix connects to a Microsoft SQL Server database by using DirectQuery.

Which reports support Publish to Web, and which reports can be published to Power BI Report Server?

Reports

Report1 only	Report2 only
Report3 only	Report1 and Report2
Report1 and Report3	Report2 and Report3

Answer Area

Reports that support Publish to web:	<input type="text" value="Report"/>
Reports that can be published to Power BI Report Server:	<input type="text" value="Report"/>

(Creating Reports)

Answer:

Publish to Web: Report1 and Report3

Reports not supported are based on live connection sources, not DirectQuery ones

Limitations ... "Reports using any Live Connection data source"

<https://docs.microsoft.com/en-us/power-bi/collaborate-share/service-publish-to-web#limitations>

Power BI Report Server: Report1, Report2 and Report3 (custom visuals are supported, except for R and Python ones, RLS is supported and DirectQuery too

<https://docs.microsoft.com/en-us/power-bi/report-server/compare-report-server-service>

Power BI Report Server: Row-level security (RLS) is Available in both DirectQuery (data source) & Import mode

Question 36

What is a dashboard?

(Creating Dashboards)

- A. A canvas of report elements that can be built in Power BI desktop.
- B. Dashboards can be built by using visuals that are developed with an underlying data source.
- C. A canvas of report elements that can be built in the Power BI service.
- D. The canvas in which you can view the data model of a report.

Answer: A

Question 37

What is one way that reports, and dashboards differ?

(Creating Dashboards)

- A. In reports, you can have multiple pages; in dashboards, you can have only one page.
- B. 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.

- C. You can only build reports and dashboards in Power BI service.
- D. They are the same.

Answer: A

Question 38

Can a dashboard be created from multiple reports?
(*Creating Dashboards*)

- A. No, dashboards can only be created from a single dataset or report.
- B. Yes, dashboards can be created from multiple datasets or reports.

Answer: B

Question 39

Where can you configure and set alerts?
(*Creating Dashboards*)

- A. Data alerts can be set only in Power BI service on specific visuals such as KPI cards, gauges, and cards.
- B. Data alerts can be set in both Power BI service and Power BI Desktop on any kind of visual.
- C. Data alerts can be set in Power BI service on any kind of visual.
- D. Data alerts can be set only in Power BI Desktop on specific kinds of visuals such as KPI cards and gauges.

Answer: A

Question 40

What is a key benefit of Power BI's real-time streaming capabilities?
(*Creating Dashboards*)

- A. Users are limited to the data refresh as established by the developer.
- B. You can stream data and update dashboards as soon as the data is logged.

Answer: B

Question 41

Pinning an entire report page to a dashboard ensure what?

(Creating Dashboards)

- A. Users are seeing individual tiles displaying key results.
- B. 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.

Answer: B

Question 42

What feature allows you to ask a natural-language query about the data?

(Creating Dashboards)

- A. The synonym features
- B. The smart narrative visual
- C. The Q&A feature

Answer: C

Question 43

What feature in dashboards is used to alert consumers to the sensitivity of the data?

(Creating Dashboards)

- A. Dashboard themes
- B. Data classification

Answer: B

Question 44

You have a Power BI dashboard that monitors the quality of manufacturing processes. The dashboard contains the following elements:

A line chart that shows the number of defective products manufactured by day.

- A KPI visual that shows the current daily percentage of defective products manufactured.

You need to be notified when the daily percentage of defective products manufactured exceeds 3%.

What should you create?

(Creating Dashboards)

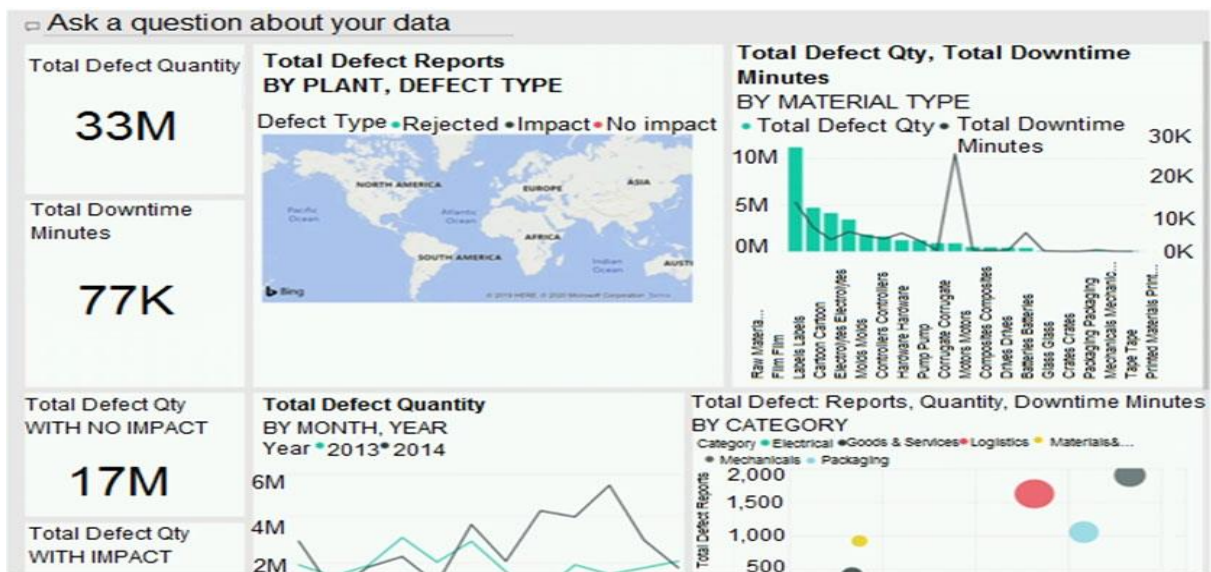
- A. A Q&A visual
- B. A subscription
- C. A smart narrative visual
- D. an alert

Answer: D

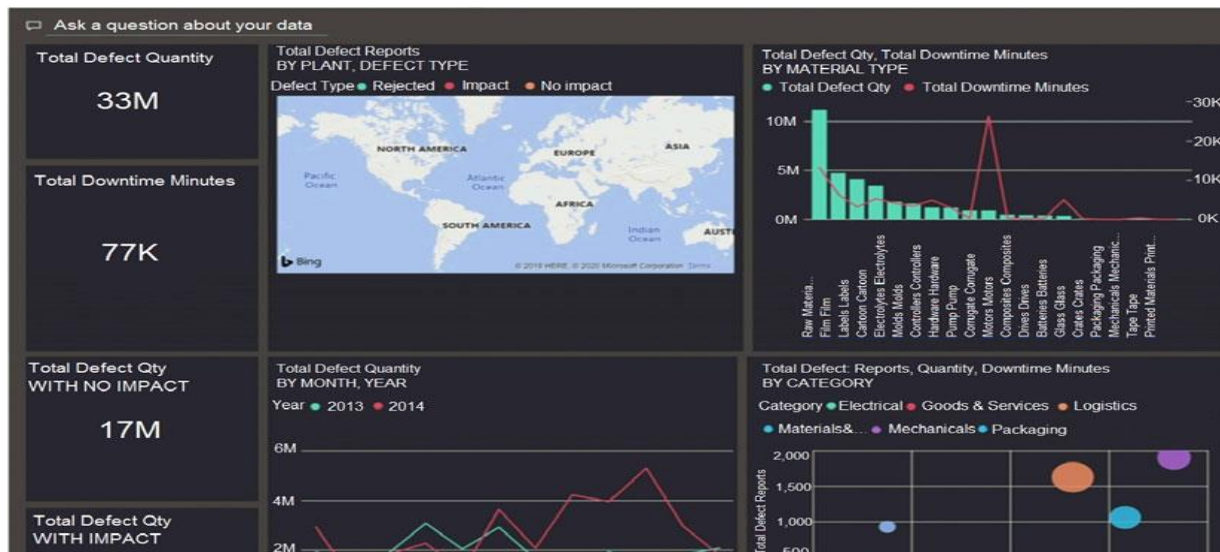
Reference: <https://docs.microsoft.com/en-us/power-bi/consumer/end-user-alerts>

Question 45

You have a dashboard that contains tiles pinned from a single report as shown in the Original Dashboard exhibit.



You need to modify the dashboard to appear as shown in the Modified Dashboard exhibit.



What should you do?

(*Creating Dashboards*)

- A. Edit the details of each tile.
- B. Change the report theme.
- C. Change the dashboard theme.
- D. Create a custom CSS file.

Answer: C

Reference:

<https://docs.microsoft.com/en-us/power-bi/create-reports/service-dashboard-themes>

Question 46

Which of the following is not an option when editing report interactions?

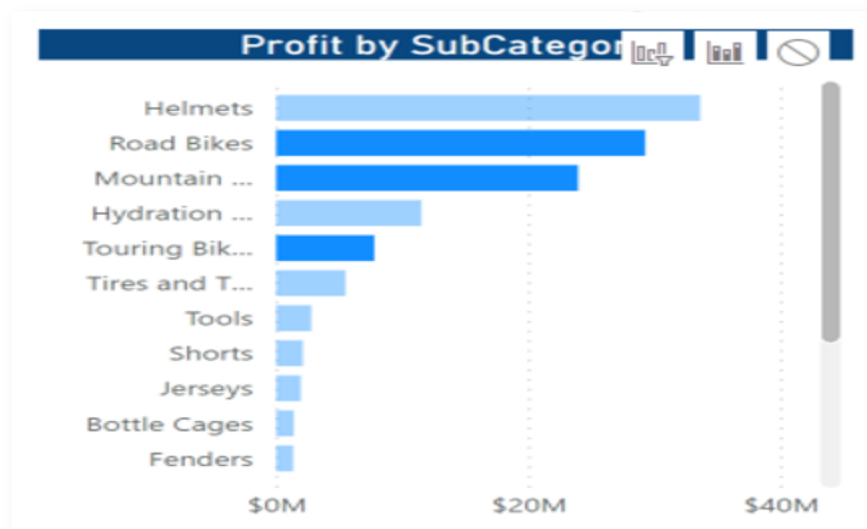
(*Creating Dashboards*)

- A. Filter
- B. Highlight
- C. None
- D. Drill through

Answer: D

Report interactions allow you to define how filters applied to one visual impact the others. The options are filter, which produces a fully filtered chart; highlight, which produced a chart that highlights the filtered segments; and none, in which the chart remains unfiltered. Drill through is a separate type of filter.

Question 47



What type of visual interaction has been applied to the bar chart above?
(*Creating Dashboards*)

- A. Filter
- B. Highlight
- C. Subfilter
- D. None of the above

Answer: B

When the interaction mode is set to “highlight”, the relevant subsegments in the chart are highlighted based on the selection.

Question 48

What allows users to jump to different report pages while simultaneously filtering based on the specific item selected?
(*Creating Dashboards*)

- A. Drill through filters
- B. Tooltips
- C. R visuals
- D. Page filters

Answer: A

Drill through filters allow users to jump to different report pages (like bookmarks), while simultaneously filtering based on the specific item selected

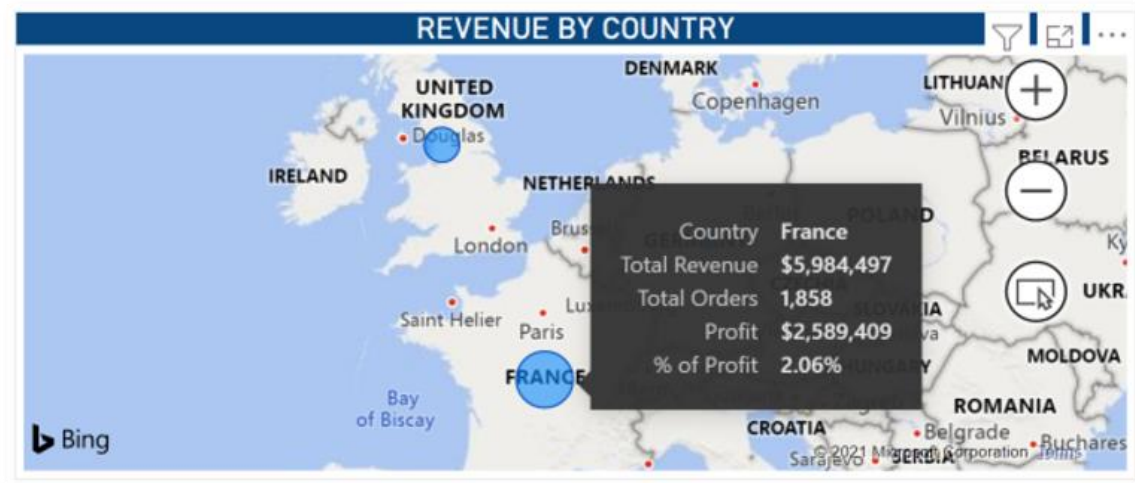
Question 49

What do bookmarks accomplish in Power BI?
(*Creating Dashboards*)

- A. They save a query for use in other reports
- B. They save a subsegment of your data table as a separate file
- C. They save a pre-filtered view of your report
- D. They save your chart as a template

Answer: C

Question 50



What type of visual interaction is shown in the map above?
(Creating Dashboards)

- A. Highlight
- B. Bookmark
- C. Drill through filter
- D. Tooltip

Answer: D

Tooltips, like the one shown above, are a way to add additional data when you hover over a visual.

Question 51

Which of the following actions requires you to be signed into Power BI?
(Creating Dashboards)

- A. Importing custom visuals
- B. Linking bookmarks
- C. Editing report interactions
- D. All of the above

Answer: A

Importing custom visuals from files, your organization, or the AppSource marketplace requires you to sign into Power BI.

Question 52

Which of the following options is part of Power BI's accessibility features?
(*Creating Dashboards*)

- A. Themes
- B. Layer order
- C. Tab order
- D. All of the above

Answer: D

These are all part of Power BI's different accessibility features that allow consumers to easily navigate reports.

Question 53

Which of the following objects cannot be pinned as an individual tile to a dashboard?
(*Creating Dashboards*)

- A. Filled Maps
- B. Tables
- C. Slicers
- D. Bar Charts

Answer: C

Slicers cannot be pinned to a dashboard individually; they need to be pinned as part of a live page.

Question 54

Which of the following is a benefit of pinning a live page?
(*Creating Dashboards*)

- A. Slicers are imported
- B. Functionality is preserved
- C. Updates to the report are reflected
- D. All of the above

Answer: D

The Pin Live Page option pins an entire report to a dashboard while also importing slicers, preserving functionality, and reflecting any updates to the report.

Question 55

You create a report in the Power BI service that displays the following visualizations:

- A KPI that displays the count of customers
- A table that displays the count of customers by country
- A line chart that displays the count of customers by year

You need to receive an alert when the total number of customers reaches 10,000.

What should you do first?

(Creating Dashboards)

- A. Pin the line chart to a dashboard.
- B. Pin the KPI to a dashboard.
- C. Embed the report into a Microsoft SharePoint page.
- D. Pin the report to a dashboard.

Answer: B

Alerts can only be set on tiles pinned from report visuals, and only on gauges, KPIs, and cards.

References:

<https://docs.microsoft.com/en-us/power-bi/service-dashboard-pin-tile-from-report>

<https://docs.microsoft.com/en-us/power-bi/create-reports/service-set-data-alerts>

Question 56

You have a sales report in an app workspace. The report displays a map of sales by location and a bar chart of sales by year. The report has a slicer to filter the data by year.

You need to create a dashboard that contains visualizations. The solution must ensure that you can use the slicer to filter the data by year.

What should you do?

(Creating Dashboards)

- A. Pin each visualization to the dashboard, and then add a web content tile.
- B. Add a page level filter, and then pin each visualization to the dashboard.
- C. Publish the app workspace.
- D. Pin the report as a live page.

Answer: D

References:

<https://docs.microsoft.com/en-us/power-bi/service-dashboard-pin-live-tile-from-report>

Question 57

You create a report in the Power BI service.

You plan to provide external users with access to the report by publishing the report to a public blog.

You need to ensure that the report in the blog post will be updated as the data is refreshed.

What should you do in the Power BI service?

(Creating Dashboards)

- A. Publish the app workspace to the entire organization. In the blog post, use the URL of the workspace.
- B. Share the report. In the blog post, use the URL of the dashboard.
- C. Publish the report to the web. In the blog post, use the embed code URL.
- D. In the blog post, use the URL of the report.

Answer: D

After you create your Publish to web embed code and share it, the report is updated with any changes you make, and the embed code link is immediately active. Anyone who opens the link can view it. After this initial action, however, updates to reports or visuals can take approximately one hour before becoming visible to your users.

References:

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

Question 58

You need to create a dashboard in the Power BI service to display data from a PubNub source.

What should you do?

(Creating Dashboards)

- A. Add a Microsoft SQL Server Analysis Services (SSAS) data source that uses Connect live and create a report. Pin the report to a dashboard.
- B. Create an app workspace and publish the workspace to a dashboard.
- C. Add a Microsoft Azure SQL database data source that uses DirectQuery and create a report. Pin the report to a dashboard.
- D. Add a custom streaming data tile to a dashboard.

Answer: D

For pubnub data, we can visualize it using data tile on dashboard and configure pubnub as data source.

Reference:

<https://docs.microsoft.com/en-us/power-bi/connect-data/service-real-time-streaming#streaming-dataset>

Question 59

Why are parameters important in Power BI paginated reports?

(Create Paginated Reports in Power BI)

- A. They are required so that Power BI can call the paginated report.
- B. They allow the report developer to control the refresh interval of the report.
- C. They allow the user to control aspects of how the report is rendered when the report is run.

Answer: C

Question 60

Power BI paginated reports are created by using which tool?

(Create Paginated Reports in Power BI)

- A. Power BI Report Builder
- B. Power BI Desktop
- C. Power BI Service

Answer: A

Question 61

Power BI paginated reports is an evolved technology that was built from which original tool?

(Create Paginated Reports in Power BI)

- A. SQL Server Analysis Services
- B. Microsoft SharePoint
- C. SQL Server Reporting Services

Answer: C

Question 62

You use an R visual to produce a map of 500,000 customers. You include the values of CustomerID, Latitude, and Longitude in the fields sent to the visual. Each customer ID is unique. In powerbi.com, when users load the visual, they only see some of the customers.

What is the cause of the issue?

(Create Paginated Reports in Power BI)

- A. The visual was built by using a different version of R.

- B. The data comes from a Microsoft SQL Server source.
- C. The data is deduplicated.
- D. Too many records were sent to the visual.

Answer: D

R visuals in the Power BI service have a few limitations including:

- Data size limitations data used by the R visual for plotting is limited to 150,000 rows. If more than 150,000 rows are selected, only the top 150,000 rows are used, and a message is displayed on the image. Additionally, the input data has a limit of 250 MB.

Reference:

<https://docs.microsoft.com/en-us/power-bi/visuals/service-r-visuals>

Question 63

You have a report that contains four pages. Each page contains slicers for the same four fields. Users report that when they select values in a slicer on one page, the selections are not persisted on other pages.

You need to recommend a solution to ensure that users can select a value once to filter the results on all the pages.

What are two possible recommendations to achieve this goal?

(Create Paginated Reports in Power BI)

- A. Replace the slicers with report-level filters.
- B. Sync the slicers across the pages.
- C. Create a bookmark for each slicer value.
- D. Replace the slicers with page-level filters.
- E. Replace the slicers with visual-level filters.

Answer: A&B

Replace the slicers with report-level filter

A: Add a report-level filter to filter an entire report.

The visuals on the active page, and on all pages in the report, change to reflect the new filter.

B: You can sync a slicer and use it on any or all pages in a report.

1. On the Power BI Desktop View menu, select Sync slicers.

The Sync slicers pane appears between the Filters and Visualizations panes.

Reference:

<https://docs.microsoft.com/en-us/power-bi/create-reports/power-bi-report-add-filter>

<https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-slicers>

Question 64

You are developing a report page. Some users will navigate the report by using a keyboard, and some users will consume the report by using a screen reader.

You need to ensure that the users can consume the content on a report page in a logical order.

What should you configure in Microsoft Power BI Desktop?

(Create Paginated Reports in Power BI)

- A. The tab order
- B. The layer order
- C. The bookmark order
- D. The X position

Answer: A

If you find yourself unable to navigate to an object or visual while using a keyboard, it may be because the report author has decided to hide that object from the tab order. Report authors commonly hide decorative objects from the tab order. If you find that you cannot tab through a report in a logical manner, you should contact the report author. Report authors can set the tab order for objects and visuals.

Reference:

<https://docs.microsoft.com/en-us/power-bi/create-reports/desktop-accessibility-consuming-tools>

Question 65

What Power BI feature can give an in-depth analysis of the distribution of data?

(Perform Advanced Analytics)

- A. 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.
- B. The Analyze feature allows a user to understand why the distribution of data looks the way it does.
- C. Only time series analysis can provide in-depth analysis on the data.

Answer: B

Question 66

Where are time series charts located?

(Perform Advanced Analytics)

- A. The filter pane is where all filters on visuals and pages are located.
- B. The fields pane is where all charts are located.
- C. Time series charts can be imported from AppSource.

Answer: C

Question 67

What visual should be used to display outliers?
(*Perform Advanced Analytics*)

- A. The line chart is best suited to display outliers.
- B. The clustered column chart is best suited to display outliers.
- C. The scatter chart displays outliers.

Answer: C

Question 68

What does the AI splits feature do?
(*Perform Advanced Analytics*)

- A. 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.
- B. 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.
- C. AI splits only display the difference between highest and lowest value of the measure that is being analyzed.

Answer: A

Question 69

Can you access the Q&A feature by using buttons?
(*Perform Advanced Analytics*)

- A. 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.
- B. Yes, you can access the Q&A feature by selecting the Q&A button type.
- C. No, to use the Q&A feature, you will need to add the Q&A visual to your reporting canvas.

Answer: B

Question 70

What is not a feature of the Q&A feature?

(Perform Advanced Analytics)

- A. Searching for help topics about Power BI.
- B. Adding new synonyms to fields through Q&A tooling.
- C. Converting a Q&A answer into a visual inside your report.

Answer: A

Question 71

What does the decomposition tree not enable you to do?

(Perform Advanced Analytics)

- A. Conduct root cause analysis to understand a measure better.
- B. Conduct what-if analysis with built-in parameters.
- C. Automatically analyze selected dimensions to find where a measure is highest or lowest.

Answer: B

Question 72

You have a table that contains the following three columns:

- City
- Total Sales
- Occupation

You need to create a key influencers visualization as shown in the exhibit.



How should you configure the visualization?

Answer Area

Analyze:

▼
City
Occupation
Total Sales

Explain by:

▼
City
Occupation
Total Sales

Expand by:

▼
City
Occupation
Total Sales

(Perform Advanced Analytics)

Answer:

Box 1: Total Sales

Box 2: Occupation

Box 3: City

Total Sales is what we analyze, we explain by occupation and expand by city.

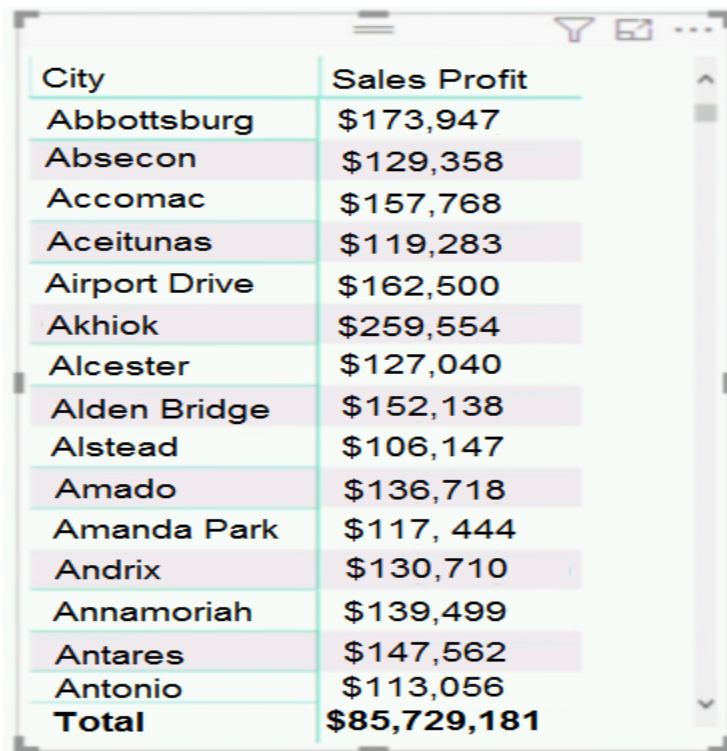
You can use Expand By to add fields you want to use for setting the level of the analysis without looking for new influencers.

Reference:

<https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-influencers>

Question 73

You have the dataset shown in the following exhibit.



City	Sales Profit
Abbotsburg	\$173,947
Absecon	\$129,358
Accomac	\$157,768
Aceitunas	\$119,283
Airport Drive	\$162,500
Akhiok	\$259,554
Alcester	\$127,040
Alden Bridge	\$152,138
Alstead	\$106,147
Amado	\$136,718
Amanda Park	\$117,444
Andrix	\$130,710
Annamoriah	\$139,499
Antares	\$147,562
Antonio	\$113,056
Total	\$85,729,181

You need to ensure that the visual shows only the 10 cities that have the highest sales profit.

What should you do?

(Perform Advanced Analytics)

- A. Add a Top N filter to the visual.
- B. Configure the Sales Profit measure to use the RANKX function.
- C. Add a calculated column to the table that uses the TOPN function. In the visual, replace Sales Profit with the calculated column.
- D. Add a calculated column to the table that returns the city name if the city is in the top 10, otherwise the calculated column will return "Not in Top 10". In the visual, replace Sales Profit with the calculated column.

Answer: A

Power BI Top N Filters are useful to display the top performing records, and Bottom N filters are helpful to display the least performing records. For example, we can display top or bottom 10 products by orders or sales.

Note:

1. Select the Column you want to display the Top Sales Profit
2. Then change the Filter Type of that Column to Top N
3. Fill in Top / Bottom number field
4. And lastly drag to the By Value field your Sales Profit

Incorrect Answers:

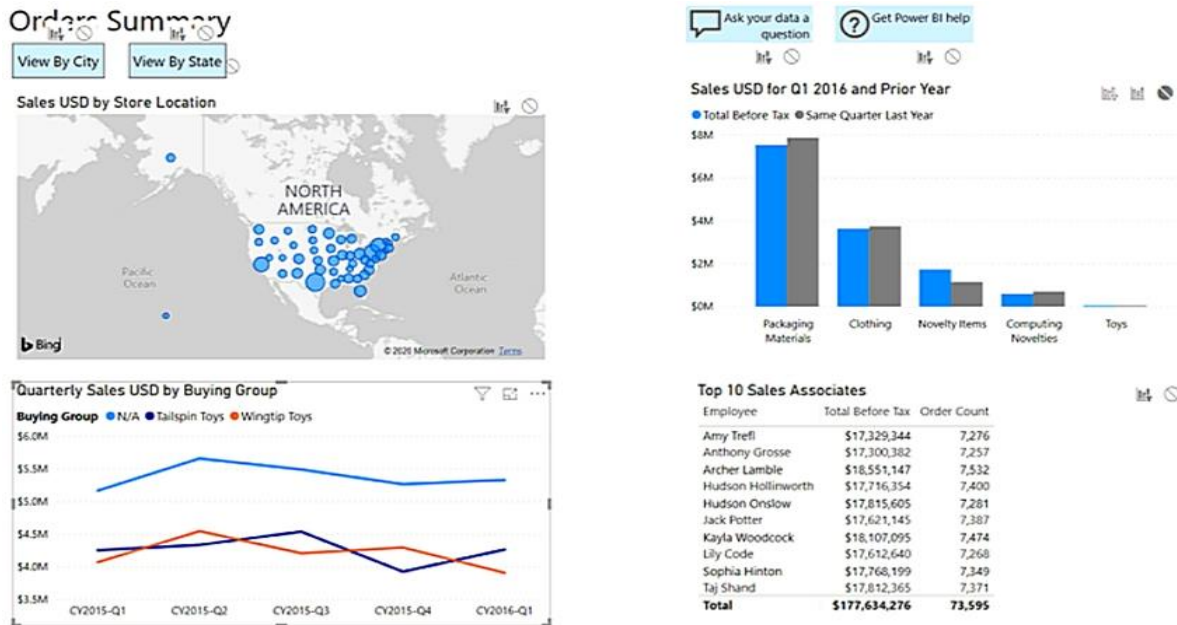
B: You would need a filter as well.

Reference:

<https://www.tutorialgateway.org/power-bi-top-10-filters/>

Question 74

You have a report page that contains the visuals 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.

Answer Area

Selecting a quarter on the line chart will **[answer choice]** the clustered column chart.

cross-filter
cross-highlight
not affect

Selecting a data point on the Tailspin Toys line on the line chart will **[answer choice]** the map.

cross-filter
cross-highlight
not affect

(Perform Advanced Analytics)

Answer:

Box 1: not affect

Box 2: cross-filter

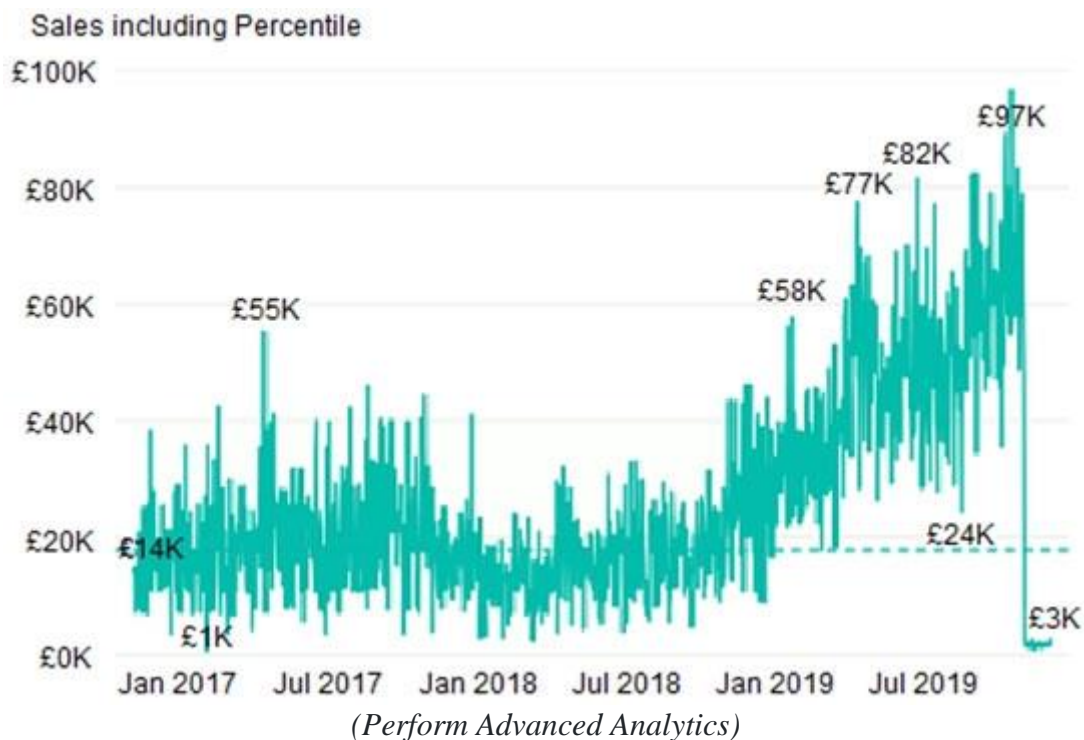
Reference:

<https://docs.microsoft.com/en-us/power-bi/consumer/end-user-interactions>

Question 75

You plan to create the chart shown in the following exhibit.

How should you create the dashed horizontal line denoting the 40th percentile of daily sales for the period shown?



- A. Add a measure to the visual that uses the following DAX expression. Measure1 = PERCENTILEX.INC (Sales,Sales[Total Sales],0.40)
- B. Add a new percentile line that uses Total Sales as the measure and 40% as the percentile.
- C. Create a horizontal line that has a fixed value of 24,000.
- D. Add a measure to the visual that uses the following DAX expression. Measure1 = PERCENTILEX.EXC (Sales,Sales[Total Sales],0.40)

Answer: B

The analytics feature enables you to show percentiles across groups specified along a specific

axis.

Example:

1. Click on the analytics tab
 2. Select Percentile
 3. You can choose a specific percentile along with other formatting options.
 4. Drag a date or non-numeric dimension into the Axis of a column chart
- Add percentile lines to monitor daily revenue

Incorrect Answers:

A, D: There are two main percentile functions in Power BI:

PERCENTILE.EXC(column, kth percentile)

PERCENTILE.INC(column, kth percentile)

The first parameter is the column which you want the percentile value for.

The second parameter is the kth percentile where k percentage of values will fall below.

Both formulas use a slightly different algorithm. The second algorithm works for any value of k between 0 and 1 (the 0th and 100th percentile). In the EXC version the data excludes both lower and upper bounds, while INC includes them.

Reference:

https://dash-intel.com/powerbi/statistical_functions_percentile.php

Question 76

You need to create a visual as shown in the following exhibit.

MonthName	Total Sales	Sales Last Year	% Growth to Last Year
January	£559,263.79	£144,365.51	74.19%
February	£583,915.29	£215,923.28	63.02%
March	£684,091.92	£211,347.46	69.11%
April	£957,686.49	£350,270.97	63.43%
May	£841,473.26	£310,708.65	63.08%
June	£876,911.71	£298,356.83	65.98%
July	£922,410.09	£348,435.28	62.23%
August	£1,002,219.24	£388,213.68	61.26%
September	£1,152,976.22	£407,595.76	64.65%
October	£1,262,647.67	£465,583.06	63.13%
November	£555,548.44	£555,548.44	0.00%
December	£553,615.45	£553,615.45	0.00%
Total	£9,952,759.56	£4,249,964.36	57.30%

The indicator color for Total Sales will be based on % Growth to Last Year.
The solution must use the existing calculations only.

How should you configure the visual?

Answer Area

Conditional formatting:

Background color
Data bars
Font color
Icons
Web URL

Format by:

Color scale
Field value
Rules

(Perform Advanced Analytics)

Answer:

Box 1: Background color To format the Color column based on its field values, select Conditional formatting for the Color field, and then select Background color or Font color. In the Background color or Font color dialog box, select Field value from the Format by drop-down field.

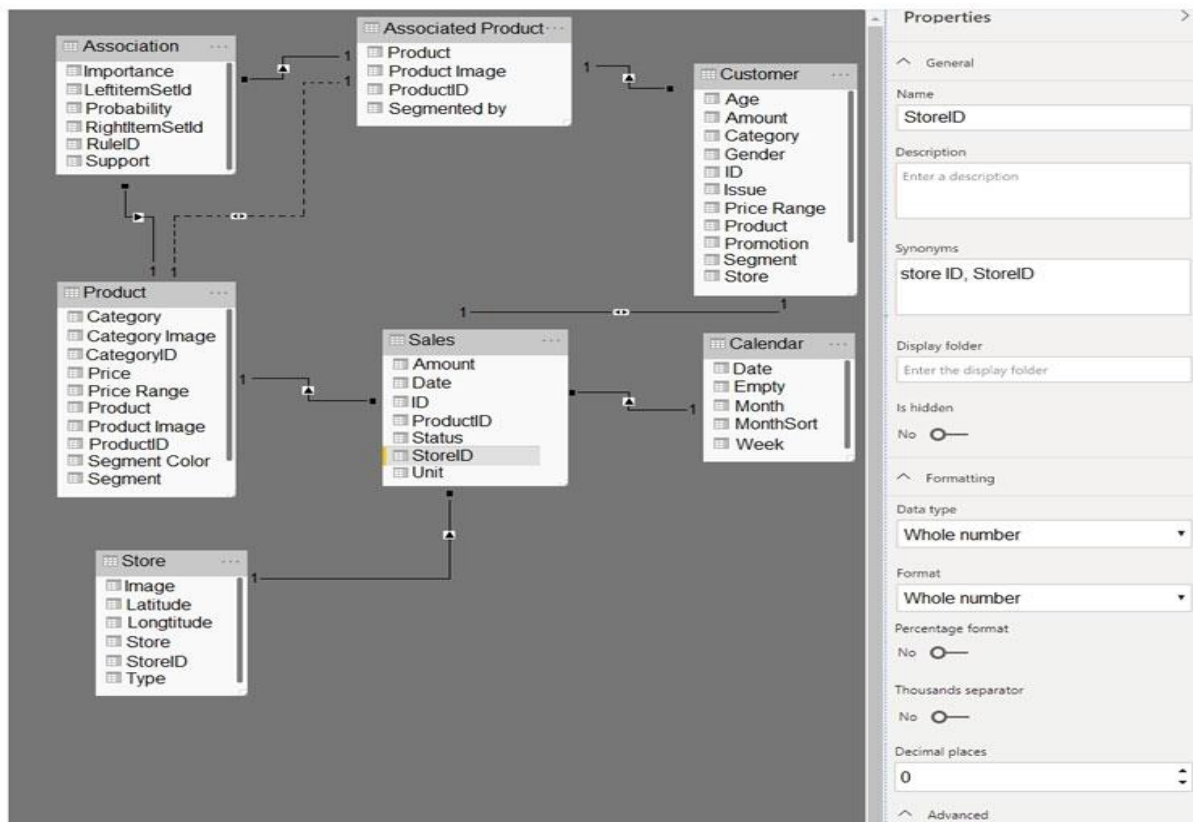
Box 2: Rules

Reference:

<https://docs.microsoft.com/en-us/power-bi/create-reports/desktop-conditional-table-formatting>

Question 77

You have the Power BI data model 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.

Answer Area

When a table visual is added to a blank report page and populated by using the StoreID field from the Sales table, a **[answer choice]** is displayed.

	▼
distinct count of the StoreID values	
list of all the StoreID values	
list of the distinct StoreID values	
sum of the StoreID values	

Adding a page filter of `Sales[StoreID] = 1` will filter the values displayed on the page from **[answer choice]**.

	▼
all the tables related to the Sales table	
only the Sales table	
only the Store table	
the Sales table and the Customer table	

(Perform Advanced Analytics)

Answer:
D and D

Question 78

What is the row limit when creating R visuals?

(Perform Advanced Analytics)

- A. 100,000 rows
- B. 150,000 rows
- C. 500,000 rows
- D. 1,000,000 rows

Answer: B

R plots are limited to 150,000 rows

Question 79

You use Power BI Desktop to create a visualization for a Microsoft SQL Server data source. You need to ensure that you can use R visualization.

Which two actions should you perform?

(Perform Advanced Analytics)

- A. Download and install Microsoft R Server.
- B. Download and install RStudio Server on the computer that has Power BI Desktop installed.
- C. Install SQL Server R Services on the server that runs SQL Server.
- D. Enable R Scripting on the computer that has Power BI Desktop installed.
- E. Download and install Microsoft R on the computer that has Power BI Desktop installed.

Answer: D&E