TDA-C01 Q&As

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QUESTION 1

You have a data source that contains data tor every city in the Unites States. The following is a sample of the data.

City	State	Country	Population
Miami	Florida	United States	454,279
New York	New York	United States	8,419,000
Seattle	Washington	United States	724,305
Chicago	Illinois	United States	2,710,000
...	...	...	...

You need to use the City dimension to create a dynamic filter that snows the cities that have a population greater than one million Which type of filter should you use?

A. General filter

B. Wildcard filter

C. Top filter

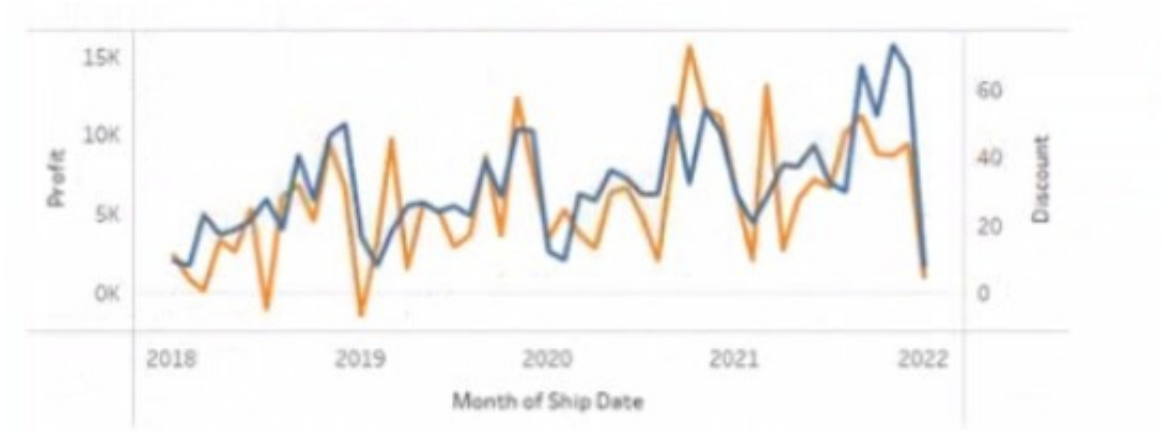
D. Condition filter

Correct Answer: C

QUESTION 2

You have the following chart that shows profits and discounts over time.

You need to combine the lines to appear as shown in the following chart.



What should you do?

A. Drag Discount to Color on the Marks card

B. Convert Discount to Discrete C. Set Discount to Dual Axis

D. Drag Discount to the Columns shelf

Correct Answer: A

QUESTION 3

You have the following dataset.

Region	Profit	Sales
Central	39706	501240
East	91523	678781
South	46749	391722
West	108418	725458

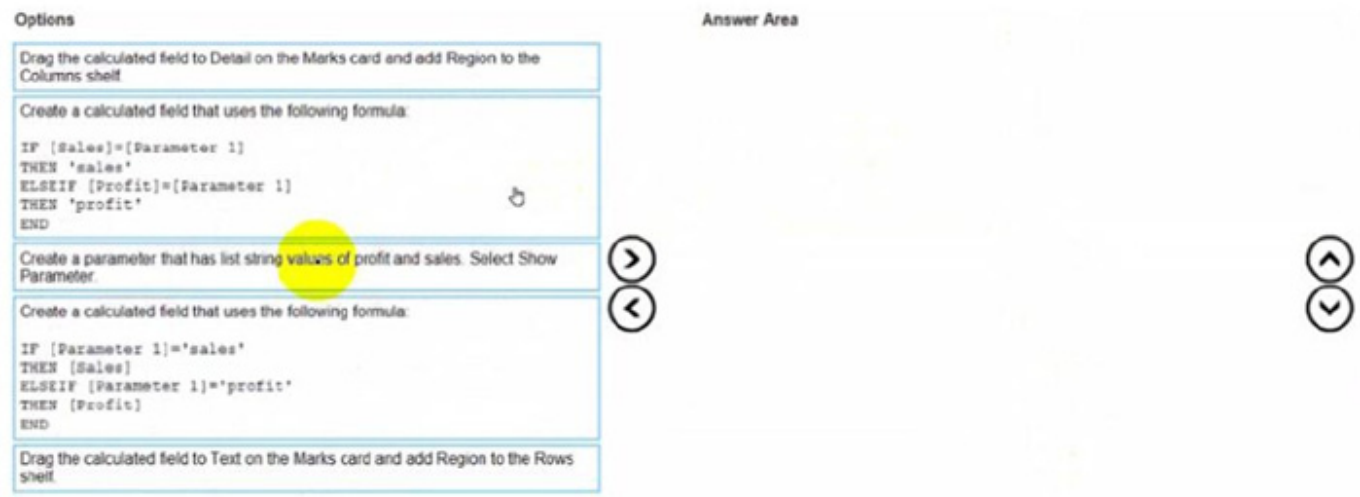
You need to create the following worksheet.

The table must show either profit or sales based on the selection from the Parameter 1 menu.

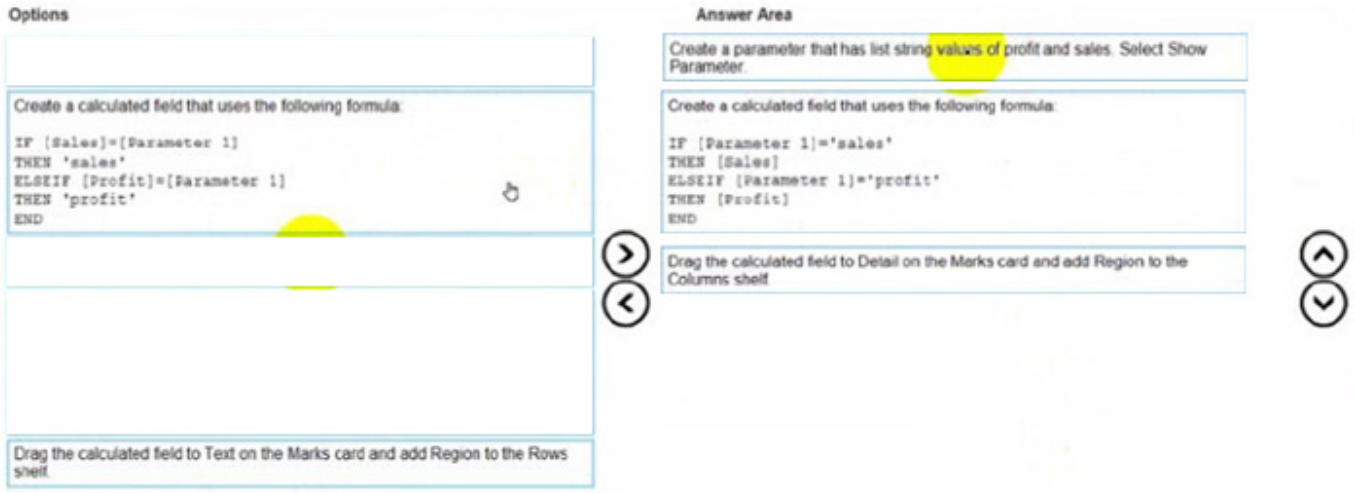
Which three actions should you perform in orders

(Place the three correct options in order Use the arrows to move Options lo Answer Area Use Answer Area arrows to reorder the options)

Select and Place:



Correct Answer:



QUESTION 4

You are creating a new dashboard.

You need to add a button to the dashboard that allows users to export the dashboard as an image.

Which type of object should you use?

A. Image

B. Ask Data

C. Extension

D. Download

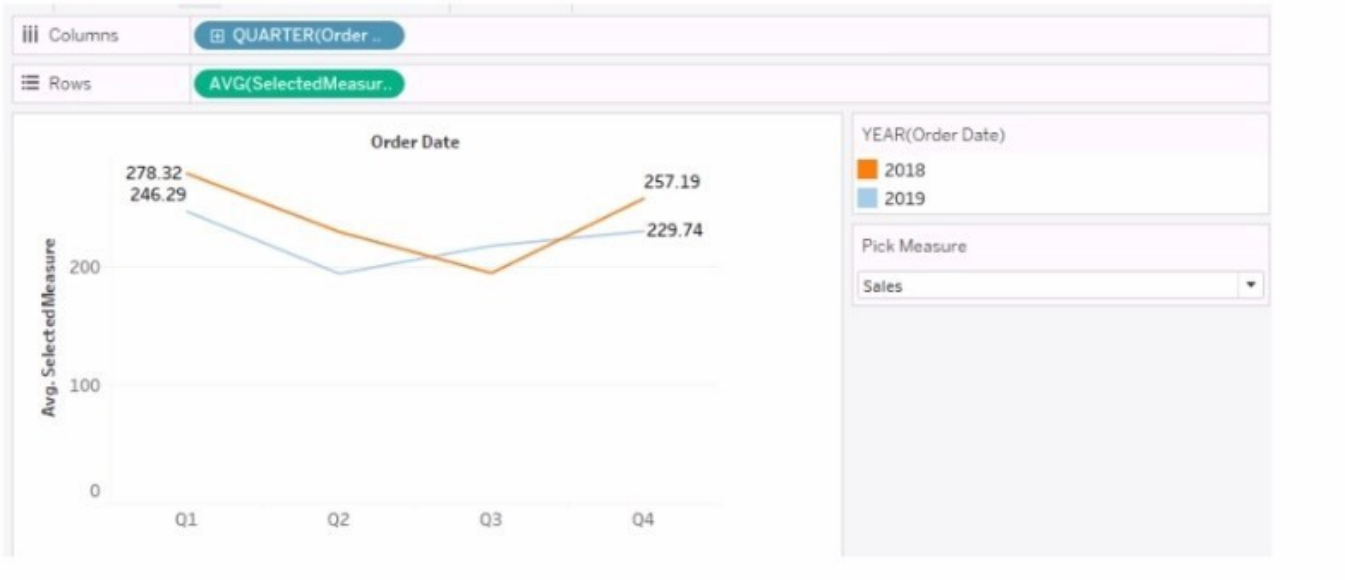
E. Navigation

Correct Answer: C

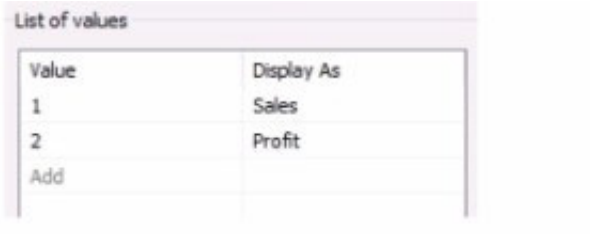
Explanation: Extensions in Tableau are web-based programs that can interact with dashboards. To add a button that allows users to export the dashboard as an image, you would use an Extension object. This could be a custom extension designed to trigger the download of the dashboard view as an image.

QUESTION 5

You create the following worksheet



The Pick Measure parameter contains the following list of values



Users can select a value from Pick Measure to change the visualization to show either the Sales measure or the Profit measure. Which formula is used in the Selected Measure calculated field lo switch between measures?

A. Case [Pick Measure] WHEN 1 then ([Sales]) WHEN 2 then ([Profit]) END

B. Case AVG([Pick Measure]) WHEN [Sales] then 1 WHEN [Profit] then 2 END

C. Case [Pick Measure: WHEN [Sales] then 1 WHEN [Profit] then 2 END

D. Case STFMEPick Measure]) WHEN "Sales" then ([Sales]) WHEN "Profit" then ([Profit]) e::i

Correct Answer: A

Explanation: https://help.tableau.com/current/pro/desktop/en-us/parameters_swap.htm This formula uses a parameter (Pick Measure) to switch between the Sales and Profit measures. When the user selects \\'1\\', it shows Sales, and when \\'2\\' is selected, it shows Profit. This dynamic switching is enabled by the Case function.

QUESTION 6

You have a workbook that connects to a database. The database requires authentication.

You plan to publish the workbook and schedule a daily refresh of the data.

Which two conditions must be met to schedule the refresh? Choose two.

A. The credentials must be embedded.

B. The data source must be stored as a hyper file.

C. The data source must use a live connection.

D. The data must be extracted.

Correct Answer: AD

To schedule a refresh of the data, you need to ensure that Tableau Server or Tableau Online can access the database without prompting for credentials. This can be done by embedding the credentials in the workbook or the published data source. You also need to extract the data from the database and publish it as a separate data source or as part of the workbook. A live connection would not allow you to refresh the data on a schedule, as it would always query the database directly. A hyper file is a format for storing extracted data, but it is not a requirement for scheduling a refresh. References: Tableau Certified Data Analyst Exam Prep Guide, page 10, section "Publishing and Scheduling Data Refreshes" Tableau Help: Embedding Database Credentials Tableau Help: Extract Your Data

QUESTION 7

You have a sales dataset that contains the following fields.

Field name	Data type
Order Date	Date
Quantity	Whole number
Revenue	Decimal number
Product Name	Text
Customer Region	Geographical

You need to analyze the average revenue per product in different regions over time.

Which two fields should be measures? Choose two.

A. Customer Region

B. Order Date

C. Product Name

D. Quantity

E. Revenue

Correct Answer: DE

Explanation: To analyze the average revenue per product in different regions over time, you need to use two fields that contain numeric, quantitative values that you can measure and aggregate. Quantity and Revenue are both measures that fit this criterion. You can multiply Quantity and Revenue to get the total sales for each product, and then divide by the number of products to get the average revenue. You can also use these measures to create charts and tables that show the trends and comparisons over time and across regions. References: Dimensions and Measures, Blue and

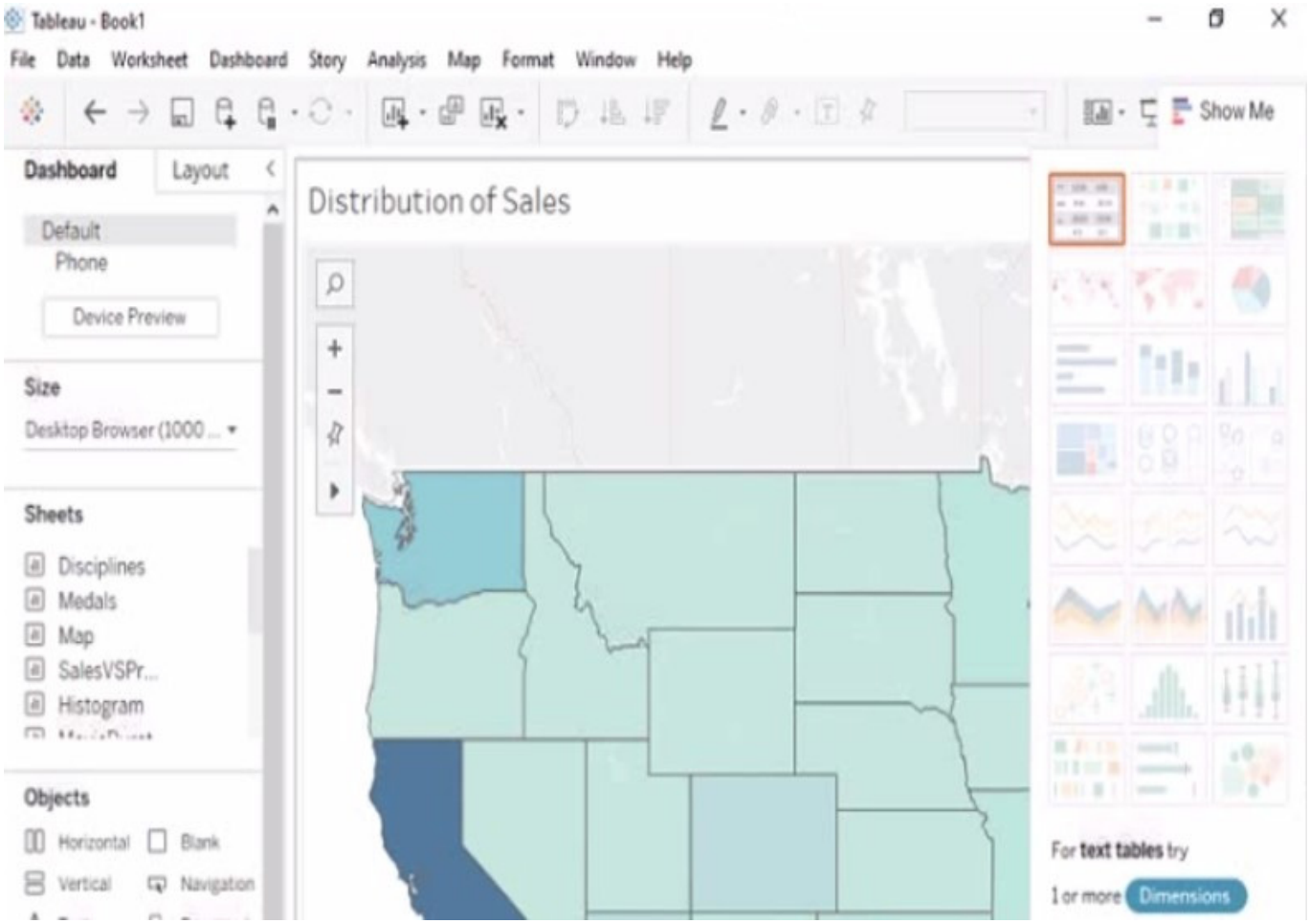
Green - Tableau Tableau Certified Data Analyst Study Guide

QUESTION 8

CORRECT TEXT

Open the link to Book1 found on the desktop. Use the Superstore data source.

Split the Customer Name field into two fields named First Name and Last Name.



A. Check the steps below in explanation.

Correct Answer: A

To split the Customer Name field into two fields named First Name and Last Name, you need to do the following steps:

Open the link to Book1 found on the desktop. This will open the Tableau workbook that uses the Superstore data source.

Go to the Data Source tab at the bottom of the workbook to see the data source page. You will see a table that shows the fields and values from the Superstore data source.

Right-click on Customer Name in the table and select Split from the menu. This will split the field into two fields based on a separator, which is a space by default. You will see two new fields named Customer Name - Split 1 and Customer

Name - Split 2 in the table.

Right-click on Customer Name - Split 1 and select Rename from the menu. Type First Name as the new name and press Enter. This will rename the field as First Name.

Right-click on Customer Name - Split 2 and select Rename from the menu. Type Last Name as the new name and press Enter. This will rename the field as Last Name.

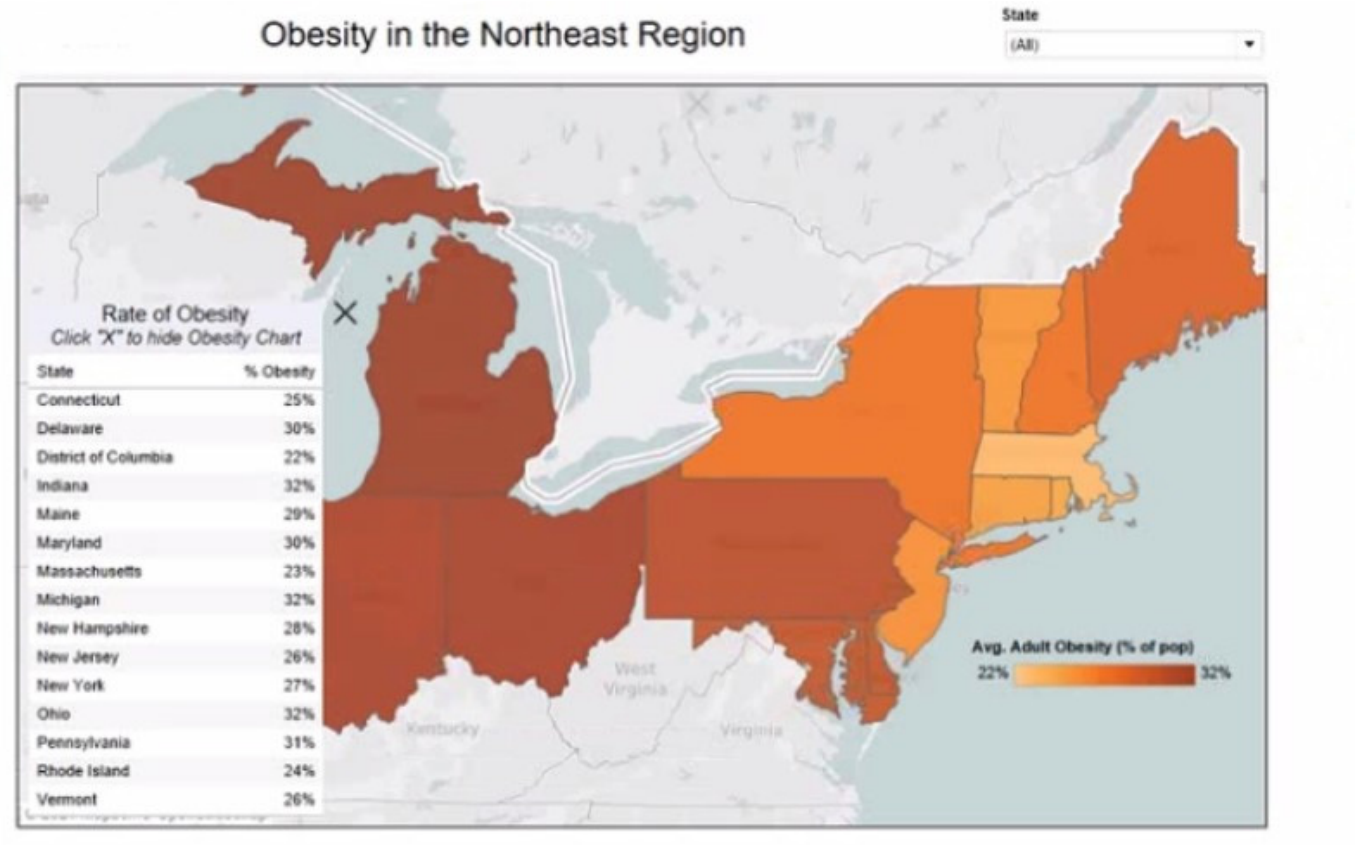
References: https://help.tableau.com/current/pro/desktop/en-us/datasource_prepare.htm

https://help.tableau.com/current/pro/desktop/en-us/split.htm

https://help.tableau.com/current/pro/desktop/en-us/renamefield.htm

QUESTION 9

You have the Mowing dashboard.



Which two elements are floating? Choose two.

A. The state filter

B. The color legend C. The map

D. The Rate of Obesity chart

E. The little

Correct Answer: CD

QUESTION 10

HOTSPOT

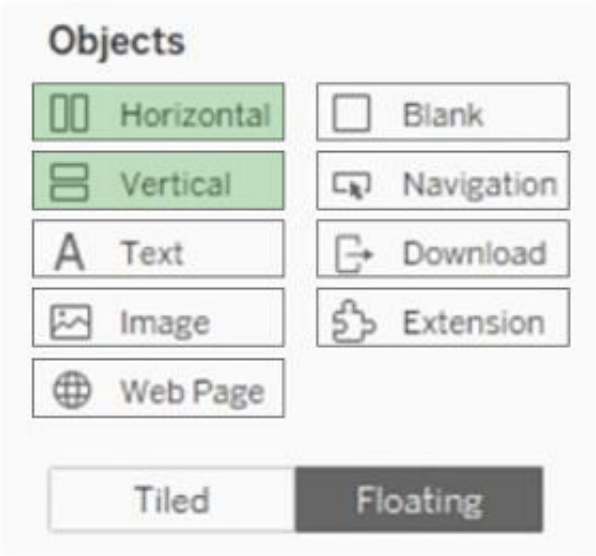
You have a blank dashboard.

You want to add two sheets to the dashboard. The sheets must support the Show/Hide button.

To which two objects can you add the sheets? (Click the two appropriate Options in the Answer Area.)

Hot Area:

Correct Answer:



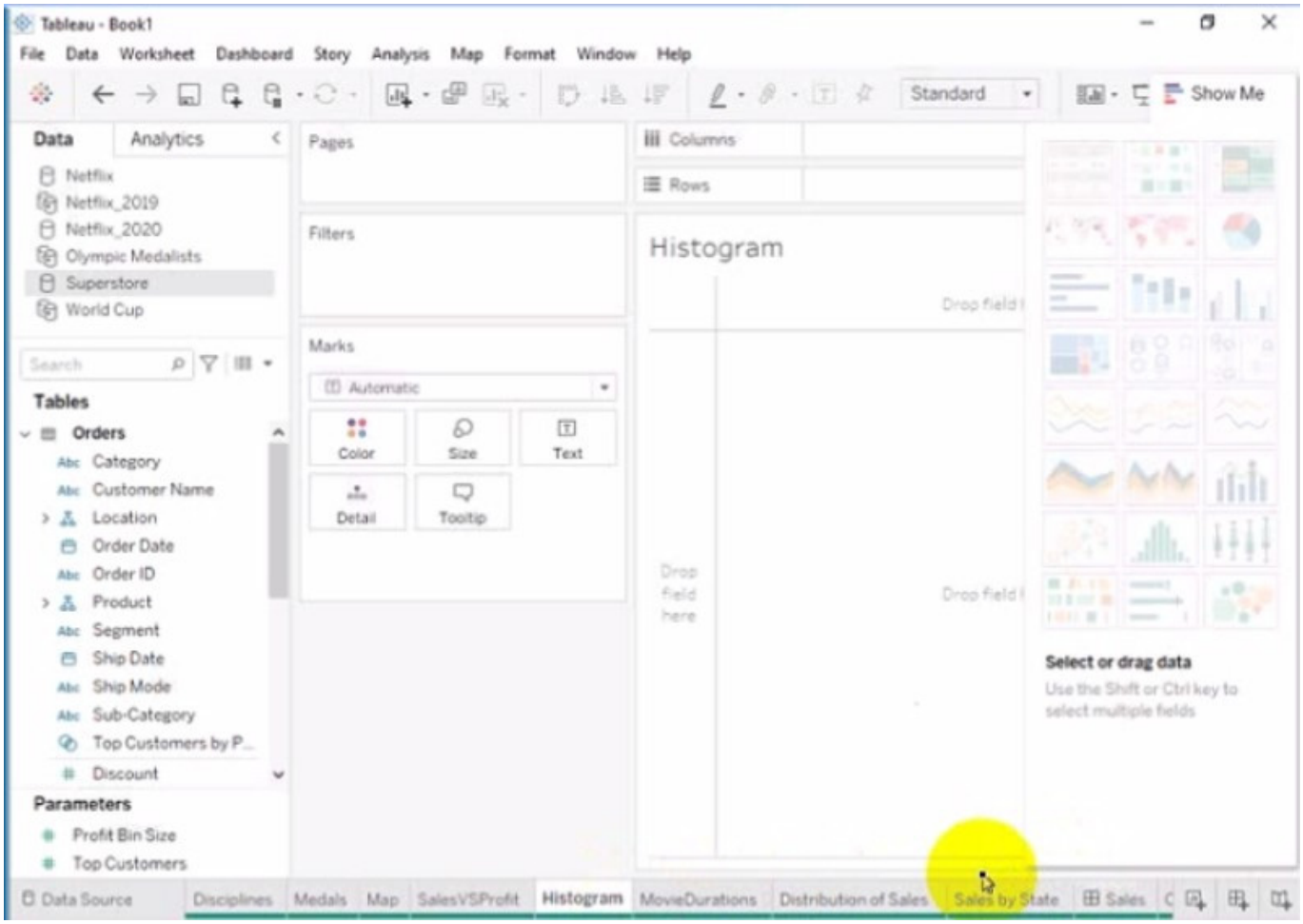
To add two sheets to the dashboard that support the Show/Hide button, you can add them to either a horizontal or a vertical container. A container is an object that can hold one or more sheets or other objects and allow you to arrange them in a layout. A Show/Hide button is a feature that lets you hide or show a container and its contents on the dashboard. You can add a Show/Hide button to any container, whether it is tiled or floating, by using the drop-down menu of the container and selecting "Add Show/Hide Button." You can also customize the appearance and behavior of the button. To add a horizontal or a vertical container to the dashboard, you can drag them from the Objects pane to the dashboard. A horizontal container will arrange the sheets or objects horizontally, while a vertical container will arrange them vertically. You can then drag the sheets you want to add from the Sheets pane to the container. You can resize and reorder the sheets or objects within the container by using the handles and arrows. The other objects in the Answer Area, such as text, image, web page, blank, navigation, download, and extension, do not support the Show/Hide button. They are either static elements that cannot hold other objects, or dynamic elements that require user interaction or external sources. You can add them to the dashboard as well, but they will not have the same functionality as a container with a Show/Hide button. References: Add Show/Hide Buttons - Tableau Layout Containers - Tableau

QUESTION 11

CORRECT TEXT

Open the link to Book1 found on the desktop. Open the Histogram worksheet and use the Superstone data source.

Create a histogram on the Quantity field by using bin size of 3.



A. Check the steps below in explanation.

Correct Answer: A

To create a histogram on the Quantity field by using bin size of 3, you need to do the following steps:

Open the link to Book1 found on the desktop. This will open the Tableau workbook that uses the Superstore data source.

Click on the Histogram tab at the bottom of the workbook to open the Histogram worksheet. You will see a blank worksheet with no marks.

Right-click on Quantity in the Measures pane and select Create Bins from the menu. This will open a dialog box that allows you to create bins for the Quantity field. Bins are groups of values that are treated as one unit in a histogram.

Enter 3 in the Size of bins text box. This will set the bin size to 3, which means that each bin will contain values that are 3 units apart. For example, one bin will contain values from 0 to 2, another bin will contain values from 3 to 5, and so on.

Click OK to create the bins. You will see a new field named Quantity (bin) in the Measures pane with a # sign next to it.

Drag Quantity (bin) from the Measures pane to Columns on the worksheet. This will create a histogram that shows the distribution of Quantity by bins. You will see bars that represent the frequency or count of values in each bin.

Optionally, you can adjust the width, color, and labels of the bars by using the options on the Marks card. You can also add filters, tooltips, or annotations to enhance your histogram.

References: https://help.tableau.com/current/pro/desktop/en-us/histograms.htm

https://help.tableau.com/current/pro/desktop/en-us/calculations_bins.htm

https://help.tableau.com/current/pro/desktop/en-us/buildmanual_histograms.htm

QUESTION 12

You have the following primary data source that contains a dimension named Dorm_Code.

Dorm_Name	Dorm_Code
Hawthorne	DKBK
Blinx	A1IYU
Michaels	G3NU
Rogers	F6N7
Mazy	J8IO
Cameroon	9MJH
Kemmins	Z1KL
...	...

You receive the following secondary data source that contains updated dorm codes.

Dorm_Name	Dorm_Code_New
Hawthorne	A1
Blinx	A2
Michaels	A3
Rogers	A4
Mazie	A5
Cameroon	A6
Kemmins	A7
...	...

You need to bring the updated dorm codes into Tableau and use the codes in existing visualizations. The new dorm codes must use the existing field name of Dorm_Code.

What should you do?

A. Bring in the secondary data source as a union.

B. Bring in the secondary table as a left join to the primary data source. From the Data Source page, select Create Calculated Field in the Dorm_Name field and enter [Dcrm_Name_New] in the calculation window

C. Bring in the secondary data source by using relationships. From the Data pane, right- click Dorm_Name select Replace References, and then select Dorm_Name_New

D. Create a data blend and select Edit Primary Aliases to replace the primary data source alias values with values from the secondary data source

Correct Answer: C

Using relationships: You can use relationships to link the secondary data source with the primary data source based on

a common field. This will allow you to use fields from both data sources in your visualization without creating new fields or duplicating data. You can then replace references to update the dimension values. For example, you can use relationships to link the updated dorm codes with the primary data source and then replace Dorm_Code with Dorm_Code_New in your visualization. https://community.tableau.com/s/question/0D54T00000C5ldZSAR/update-data-view- based-on-dimension To update existing visualizations with new codes without changing the field name, using relationships to bring in the secondary data source is appropriate. Then using Replace References allows you to update the references from the old dorm codes to the new ones while maintaining the existing field name.

QUESTION 13

You have a Tableau workbook that contain three worksheets named Sheet1 Sheet2 and Sheet3.

You create several filters.

From the Data Source page you plan to add data source fillers When type of filter will appear in the Edit Data Source Filters dialog box?

A. A table calculation filter used on Sheet

B. A top N condition filer on a dimension in Sheet 1 and Sheet2

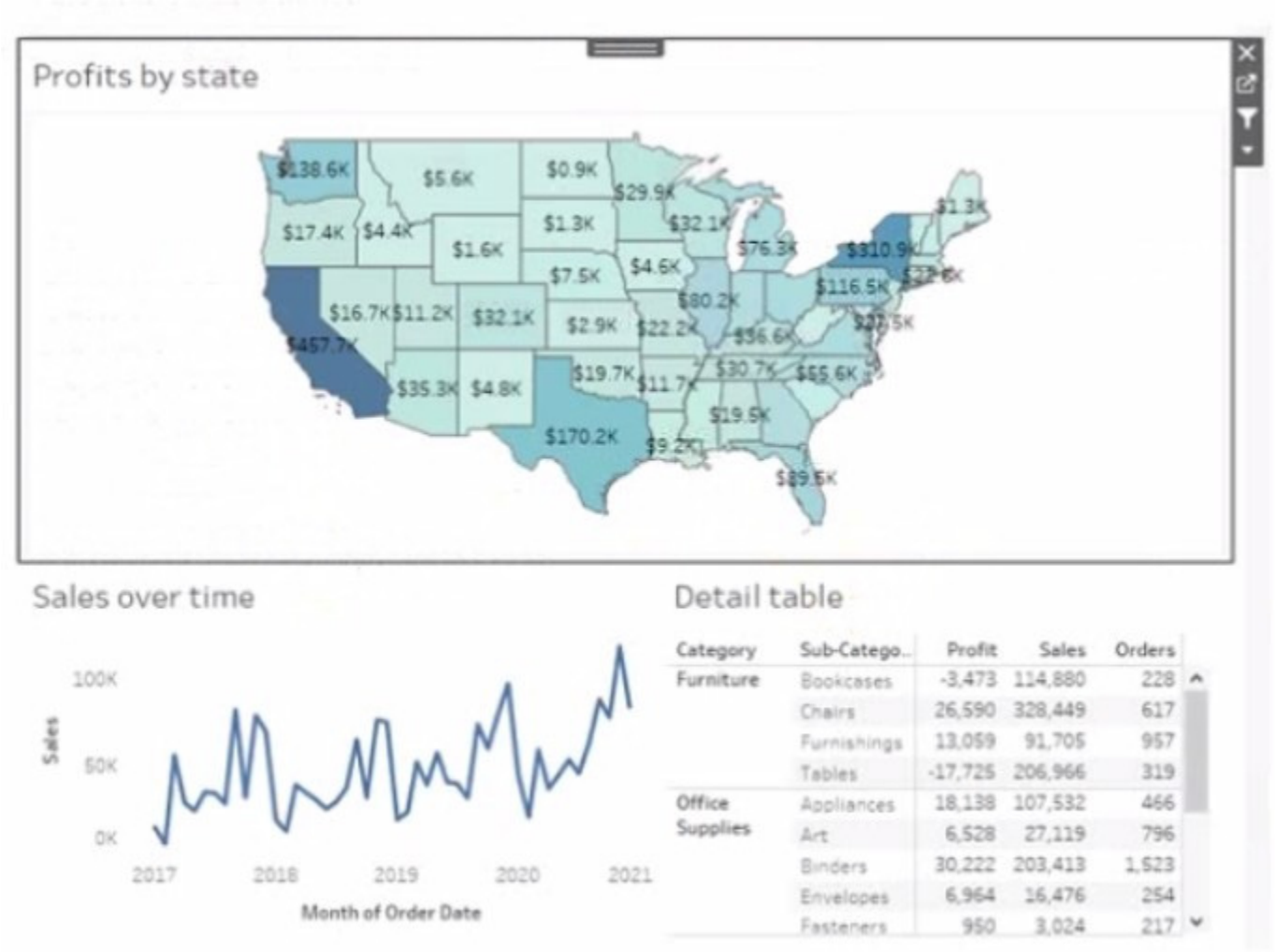
C. A context filler on a dimension m Sheet3

D. A dimension Maw on all the sheets

Correct Answer: B

QUESTION 14

You have the following dashboard.



Currently the map is used as a filter that affects the data on the otter sheets of the dashboard

You need to configure the dashboard to ensure that selecting a data point on the map only tillers the Detail table

What should you do?

A. From the context menu of Sales over time select Ignore Actions

B. From the context menu of Sales over lime select Remove Dashboard Item

C. From the context menu of Profits by Stale deselect Use as Filter

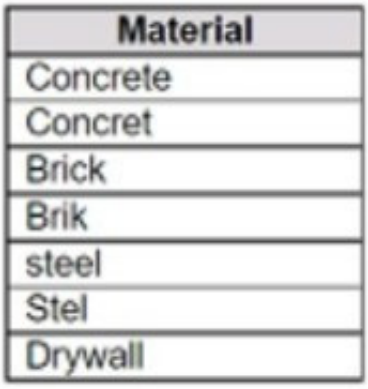
D. From the context menu of Sales over time select Deselect

Correct Answer: B

QUESTION 15

You connect to a database server by using Tableau Prep. The database server has a data role named Role1.

You have the following field in the data.



Material
Concrete
Concret
Brick
Brik
steel
Stel
Drywall

You need to apply the Role1 data role to the Material field.

Which two actions should you perform? Choose two.

A. From the More actions menu of Materials, select Valid in the Show values section.

B. For the data type of the Material field, select Custom, and then select Role1.

C. From the More actions menu of Materials, select Group Values, and then select Spelling.

D. From the More actions menu of Materials, filter the selected values.

Correct Answer: BC

To apply a custom data role to a field, you need to select the data type of the field and then choose the data role from the list of available roles. This will validate the values in the field against the data role and mark any invalid values with a red exclamation mark. To fix the invalid values, you can use the Group Values option and select the Spelling algorithm, which will group values that are close in spelling and replace them with the most frequent value in the group. This will help you standardize the values in the Material field and match them with the Role1 data role. References: The information is based on the following sources: Use Data Roles to Validate your Data - Tableau New in Tableau Prep: Automatically identify data quality issues with Data Roles