Tableau Question with answer for practice.

Enjoy

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1. To connect to multiple tables in a single data source at one time, what must be specified?

a. A blend

b. A calculation

**c. A join**

d. A hierarchy

2. Tableau can create worksheet-specific filters.

**a. True**

b. False

3. What does the box in a box plot represent?

a. Maximum extent of the data

**b. The range of the middle half of the data points**

c. The median of the middle half of the data points

d. The outliers of the data

4. The interquartile range is the difference between the 2nd and 3rd quartiles.

**False**

5. The median is the number separating the lower half of the data from the higher half. It is the same as the 50th percentile or the 2nd quartile.

**True**

6. The calculation [Ship Date] - [Order Date] will return

**number of days between them**

7. What is wrong with this If Statement If [Sales] > 100 and "Delivery Truck" then 0 else [Shipping Cost] End

**id shld be [shipping mode] = ‘Delivery truck’**

8. What will the function Left(3,"Tableau") return?

**error**

9. All rows from both tables are returned in an INNER JOIN.

**False**

10. LEFT JOIN returns all rows from the left table, with the matching rows in the right table.

**True**

11. A LEFT JOIN or INNER JOIN creates a row each time the join criteria is satisfied, which can result in duplicate rows. One way to avoid this is to use data blending instead.

**True**

12. The term “addressing” refers to the direction of a calculation.   
**True**

13. SUM is a table calculation.   
**False**

14. The benefits of creating a Tableau data extract include improving performance and allowing offline access to the data.   
**True**

15. The metadata grid displays the fields in your data source in columns.   
**False**

16. \_\_\_\_\_\_\_ is a technique in Tableau which will identify marks with similar characteristics.   
**Clustering**

17. Which of the following is used to assess trendline significance:   
**p-value**

18. If you would like your Top N or Bottom N set to change depending on what filter choices are changed, what type of filter should use use?   
**Context Filters**

19. Sorts can break the dimension hierarchy. In other words, Tableau will rearrange any the headers of the fields that appear to the left of the sorted field.   
**False**

20. Which of the following are generated fields in Tableau? (select all that apply)   
**Number of Records, Measure Names**

21. Pareto charts combine the following elements

22. Bullet graphs combine bar charts and reference lines   
**True**

23. You want to email a packaged workbook containing a Tableau Dashboard to a coworker who does not have a license for Tableau Desktop. Which application will allow her to view the dashboard you send via email?   
**Tableau Reader**

24. A visual best practice is that if you are using a color gradient to represent a continuous variable which can be negative or positive, you should use a single color range   
**False**

25. The AVG function does not treat null values as zeros. Rather, the AVG function ignores null values.

**True**

26. An aggregated calculation can be multiplied by a non-aggregated constant.

**true**

27. When using a \_\_\_\_\_ join the result is a table that contains all values from the left table and corresponding matches from the right table.

**left**

28. If you see duplicate data after doing a join you may be able to eliminate the duplication by which of the following?

Combine the tables using a cross database join rather than a standard join

Add a duplicate filter to your data

**Change the join condition**

Change to a full outer join

29. \_\_\_\_\_\_\_ is a tendency to increase or decrease over time

Seasonality

Slope

**Trend**

Gradient

30. Which of the following graph types provide information on the distribution of a continuous measure?

 Pie Chart

 Heat Map

 **Box Plot**

 Packed Bubbles

31. Positive skewness means the extreme values are to the right, while negative skewness means the extreme values are to the left.

**true**

32. When you sort data in a hierarchy, Tableau rearranges headers that appear before the sorted field. **false**

33. Context Filters are executed after data source filters.

**true**

34. Tableau displays an axis when you drop this onto the Rows or Column shelf.

 Continuous field

 Discrete field

 **Measure names**

** Measure values**

**35.** Gantt charts are useful for:

 Showing changes to a continue variable over time

 **Displaying duration of events or activities over time**

 Showing how a measure varies with respect to one or more dimensions

 Display the distribution of a continuous variable

36. Bins acts as containers that summarize data for a specific range of values. Without using a calculated field, Tableau's bin feature allows you to create variable sized bins.

**false**

37. You can combine multiple worksheets in a single dashboard.

**true**

38. If a dashboard is difficult to view on a smartphone, you can use the \_\_\_\_\_ designer to create a phone-specific view of your dashboard:

**device designer**

39. A \_\_\_ action allows Tableau to open a page on an external website.

**URL**

40. To connect to multiple tables in a single data source at one time, what must be specified?

A Blend

A Calculation

**A join**

A hierarchy

41. What is the use of data interpreter option in tableau?

**To structure the unstructured data**

To interpret the data

For predictive analysis

All of these

42. While using custom sql option during data connection, which options get disable/removed from data page?

Data interpreter

Union

**Both A and B**

None of these

43. When to use extract option in tableau? – MCQ (Select all that apply)

**When you want to embed data inside tableau file**

**when you want to share the file without sharing the data connection information**

When you want to store the connection path

When you want to compress the data

44. To add cross data source join \_\_\_\_\_\_ must be specified

Type of join

Relation

**Primary and foreign key**

None of these

45. If I changed the layout of worksheet from standard to fit entire view and next I changed the chart using show me, what will be the layout of the worksheet?

**Standard**

Fit width

Fit height

Fit entire view

46. What is the correct way to calculate price of a product?

Sum(sales)/sum(quantity)

**Sum(sales/quantity)**

Sales/quantity

47.Which columns you cannot delete in tableau – MCQ

**Measure names**

**Measure values**

Number of records

Longitude

48. You cannot change a dimension to continuous

**True**

False

49. You cannot create bins of measures?

True

**False**

50. Latitude and longitude are tableau generated fields

**True**

False

51. We can use measure names in creating custom column

True

**False**

52. For bullet graph, you need \_\_\_\_ dimensions?

1

2

**0 or more**

All of these

53. For creating line chart, what is required?

Date field

**Continuous field**

Both A and B

54. What is the color of attribute in tableau?

**Blue**

Green

Black

None of these

55.In shelf calculated columns are

**Worksheet specific**

Field specific

Workbook specific

Data specific

56. What is the color of tik mark on primary and secondary data source?

**Blue, orange**

Orange, blue

Blue, blue

Orange, orange

57. A dimension is a field that typically holds   
**discrete qualitative data**

58. Dates are typically treated as   
**dimensions**

59. The chrome_2016-03-12_13-34-19 icon next to a field means that field is   
**geographic**

60. Which of the following charts types always includes bars sorted in descending order?   
**Pareto Chart**

61. Which of the following charts uses binned data?   
**Histogram**

62. If a field has a blue background, that means the field is   
**discrete**

63. When might you want to use a context filter?   
**When you want to FIRST apply a filter and THEN show the Top N or Bottom N elements**

64.This type level of detail expression computes total sales for the region, regardless of what dimensions are shown in the view.   
**{ FIXED [Region] : SUM([Sales]) }**

65.Adding a dimension to the row or column shelf will filter your data.   
**False**

66. Suppose that your data has a dimension called "Product Category," which has the values "Furniture," "Office Supplies," and "Technology." Which of the following should you use to combine Furniture and Office Supplies into a single category?   
**Hierarchy**

67. All rows from both tables are returned in an INNER JOIN.   
**False**

68. LEFT JOIN returns all rows from the left table, with the matching rows in the right table.   
**True**

69. A LEFT JOIN or INNER JOIN creates a row each time the join criteria is satisfied, which can result in duplicate rows. One way to avoid this is to use data blending instead.   
**True**

70) What is the colour of Discrete Measures in Tableau?

 RED

 ORANGE

 **BLUE**

 GREEN

71) For Bullet Graphs we need at-least \_\_\_\_\_\_\_\_\_\_\_\_ measures

 3

 4

 **2**

 1

72) Which graph is the best to show Comparison between Actual and Target measures ?

 Heat Map

 **Bullet Graph**

 Bar

 Line

73) Which Aggregate Function is used to calculate Distinct Count ?

 AVG()

 COUNT()

 **COUNTD()**

 SUM()

74) Which is not an LOD function out of below ?

 INCLUDE

 FIXED

 **INDEX**

 EXCLUDE

75) Which is not an action out of below ?

 Filter

 URL

 **Tooltip**

 Running

76. \_\_\_\_\_\_\_\_ is used to distribute these interactive workbooks and/or reports to the right audience

 Sets

 Tableau Server

 Tableau Public

 **Tableau Desktop**

77. Tableau 10 new feature can Join data from\_\_\_\_\_\_\_\_\_ data source(s) and can connect to \_\_\_\_\_\_\_\_

 different, text file

 same, excel sheet

 same, oracle DB

 **different, google sheet**

78. Which is not a new feature in TABLEAU 10?

 **Now you can Blend data from different data sources**

 Access to Oracle Procedure

 Catch extract refresh issues before they become a problem. Tableau can alert you to possible extract refresh issues via email, so you can quickly resolve them.

 The updated Tableau Online Sync client now emails data source owners if a refresh fails.

79. Below is an example of Continuous field (by default)?

 Sales

 Customer Segment

 **Date**

 Product Category

80. Which is a false statement about Parameter ?

 **Parameters can't be used in calculation.**

 Parameters can access across different Data Sources

 We can Select Parameters via 4 ways only

 Parameters can make static values dynamic.

81. Which is not a Filter?

 Extract Filter

 Context

 Quick Filter

 **Tooltip Filter**

82. Parameters can be used in

 Dimension Filters

 **Tooltip**

 Summary

 Quick Filter

83. Which language does Tableau support for data manipulation while importing the dataset?

a. **SQL**

b. R

c. Both A and B

d. None of these

84. Which of the following returns Absolute value of a given number?

a**. ABS(number)**

b. ATTR(number)

c. CEILING(number)

d. None of above

85. How data is stored in .tde file ?

a. Row wise

b. **Column wise**

c. Document type

d. None of above

86. If blending is applied, then is it necessary to drop common field in a view containing fields of two different data sources on which blending is applied a

. True

b. **False**

87. If we drop 2 measures in rows/columns, what will be the output

a. **Axis**

b. Bar chart

c. Scatter Chart

d. None of these

88. Best use of bullet graph

a. **To compare two measures**

b. Correlation

c. Graphical representation

d. A and B

89. Link to data is shown in which tab

a. Home Page

b. **Data source page**

c. First Page

d. All of these

90. Given a map, find out fields placed in size,shape,detail,color

a. Country,profit,state,sales

b. Longitude, latitude

c. **Sales, state, country, profit**

d. State, country, longitude, latitude

91. which is the aggregate way to calculate profit ratio:

a. sum(profit/sales)

b. profit/sales

c. **sum(profit)/sum(sales)**

92. Tableau cannot group the bins

a. **True**

b. False

93. Null values are considered along with other items in column while using count function

a. True

b. **False**

94. Which chart is used to show interquartile range in tableau?

a. Treemap

b. Gantt chart

c. **Box and whisker plot**

95. To use quick table calculations, what type of programming is required?

a. Java

b. SQL

c. Php

d. **None of these**

96. Sorting can be done at following levels

a. **Data source order, Alphabetic, Field and manual**

b. Data source order, Alphabetic and Field

c. Data source order and Alphabetic

d. Alphabetic and Field

97. How to use parameterized value to filter the view in worksheet?

a. Data filter

b**. Calculated field**

c. Context filter

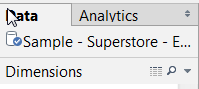
d. Bin

98. You cannot select a measure that isn’t currently in the view as the basis for your reference line

a. **True**

b. False

99. What type of connection is the given pic below?



100. Combining tables is called \_\_\_\_\_\_\_\_\_\_?

101. Combining data sources is called \_\_\_\_\_\_\_\_\_?

102. \_\_\_\_\_\_\_\_\_field is necessary for Data blending?

103. If the common field between two data sources is misspelled, will tableau be able to detect it? If yes how? If no, then what can you do ?

104. if I have a field with records in the following format

ABC-XXX

ABC is string and XXX is a number. We would want to separate them into two different fields, is it possible in tableau? If yes how to do it?

105. How can you improve tableau performance?

106. What do you use a Data Interpreter?

107. What is the purpose of measure names and measure values?

108. Name the 4 fields which we be generated automatically for any data source you take. (I will be very happy if you name at least 3).

109. Is measure name DISCRETE or CONTINUOS?

110. What happens when you click on this symbol? Where can you find it?

C:\Users\NMoha9\Desktop\Tableau pics\2016-04-15 09_16_06-Tableau - tableau.png

111.. The property of combining two tables is called Data Blending? True or False?

112. What are the 5 Products of Tableau? Name all of them

113. Can I add a filter at data source level? True or False?

1. what represents the Color, Shape and Size of the mark.
2. Name the data source in the following to which Tableau cannot connect -- Flat files, RSS feed, Relational Database
3. For automatic refresh of the dashboard, the dashboard should be published in -- Tableau Viewer, Tableau Server, PDF, Excel
4. One question was on a plotted map and was asked to identify what the plotted values represent
5. When a measure is dragged to the row or column shelf, ---- is automatically created. (axis, blend, mark,...)
6. Can we change the location of the saving the Tableau Workbooks.. ?(T/F)
7. Can we create sets from the drop menu of the measure column…? (T/F)
8. Find the date difference between ORDER DATE and TODAY’S DATE. (check in date functions you will see the clue)
9. Is it mandatory to have the link column used for data blending to be in the visualization shelf.. ?
10. When we create an ad-hoc column which of the following method is used to save the column.. ?
11. When we use the Order date filter, what will happen when you clear the filter?
12. Which of the following datasources can be used in Tableau (Flatfiles, Cloud, Powerpoint)
13. Which of the following is true for Preview datasource and Manage metadata ..? (Given four options kind of true and flase, correct answer - We can find the Remote filed name immediately as u open the datasource without using the drop down)
14. Which of the following is used to calculate the average sales of a subcategory, without using the table calculation … ? ( {AVG(SALES)}, {TOTAL(AVG(SALES))}, etc… )
15. Will the data in the set be changed dynamically… ? (T/F)
16. Auto Refresh is enabled in\_\_\_\_(tableau server, desktop etc.,)
17. Average line is available in \_\_\_??(analytics pane, analysis ,Data Pane etc.,)
18. If we use data blending based on one key column then to build visulization report do we need to have key column (T/F)
19. In a map, find which dimension/measure is put in the Size, Colour and Detail shelves??
20. In Dashboard which object cannot be added\_\_\_(text, blank, image, Power Point)
21. Mapping to an address level requires \_\_\_\_??
22. Name the data source in the following to which Tableau cannot connect -- Flat files, RSS feed, Relational Database,Cloud
23. When we create an ad-hoc column which of the following method is used to save the column.. ?
24. In Metadata Area there is an option that cannot be seen in preview data source drop-down area??
25. Tableau can connect to what type of datasources?? (Cloud, RSS Feed, SalesForce, splunk) need to selet multiple answers…
26. How can a calculated field created in the marks card shelf be put into dimensions/measures of datasource
27. How to join data from multiple datasources
28. Definition of groups - select the right statement
29. When to use measure values? (Creating an axis for multiple measures)
30. What are the elements needed to create a scatter plot?
31. In a dashboard which type of action is not available?
32. Which of the following servers can tableau connect to? Say true or false for each option

a. Cloudera Hadoop

b. Splunk

c. Zinker DB4

d. Marklogic

e. Amazon EMR

HANDS ON Questions

1. How would you show on tableau if I want to see only those states which are having sales more than 200,000?
2. How would you show on tableau if I want to see customers whose names start with N?
3. Show me top 10/20/30 customers having highest profit.
4. Which region has got the second highest profit ratio? Profit Ratio ( profit/sales)
5. Show me top 10 cities with highest “number of records”
6. Find the number of customers who gets discount less than 2 %
7. Using Global Superstore, which Country sub category has average Ship time (Day difference between Order date and Ship date)?
8. Using Global Superstore, which Country has average Ship time (Day difference between Order date and Ship date)?
9. How many products have average lead days (ship date – order date) of 7?
10. Add trend lines and show R square value?
11. Calculate the forecast for September 2015, in a report created for Monthly Sales…
12. Campaign done in 2012. Find cumulative sales for customers who first purchased in 2012.
13. Connect Orders, Managers and Returns in Global Superstore and find out which Manager has largest number of returns
14. Find the Population Growth YoY (i.e. 2014 on 2013) using Population data
15. Find the region where top 20 customers contributed to more than 10% of the sales for that region
16. Using Global Superstore, identify the Regions where Top 20 Customers that have overall Profit Ratio (Profit as % of Sales) which is double the Profit Ratio of other Customers in the Region.
17. Using Global Superstore, identify the Sub-Categories where Top 20 Customers that have Sales more than the other Sub-Categories in the same Region.
18. For Australia, what is the cumulative value of Average CO2 Emissions on July 2006
19. For Pipeline Projects, which Region has the highest cost? (choose between Austria, Jordan, Poland, Turkey)
20. In Global Superstore, how many Sub-Categories have negative profits..?
21. What is the full form of .tde?
22. Loan Info has Category/Subcategory-status. Find the rank of "Food Production" Subcategory by Number of Loans
23. Lowest profit for a combo of Category-Segment-Region
24. Max Female Life Expectancy for Asia Region
25. Plot a Box chart with Profit by Region and identify the Sub-Category with maximum distribution.
26. Rank of Asia for Inbound Tourism in the year 2007 and if it increased/decreased from 2006
27. Simple Question using the Split column functionality, which year has maximum sales… ?
28. using the Split column functionality, which year has maximum Profit… ?
29. What is the overall Sales for a particular year? (There was no Year column in the data set. There was Order Id column that had (Org - Year - Number) concatenation. In order to answer this, we have to split the Order Id column into 3 separate columns, Name the Year column and use it in the graph.
30. Using Gas Pipelines, Which Region has highest miles population
31. Using Global Superstore, calculate the return% of a particular Region
32. Using Global Superstore, create a histogram, with a sales bin of $1000, and see which bin has maximum profit for the given Order numbers.
33. Using Global Superstore, Creating bins of 1000's for Sales, which bin has the maximum overall Profits by Region?
34. Using Global Superstore, Creating histogram of 1000's for Sales, which bin has the maximum overall Profits by Region?
35. Using Global Superstore, find the forecasted value of Aug 2015 sales??
36. Using Global Superstore, identify the Country in South America which has four bordering Countries with no Sales?
37. Using Globals Superstore data, find which sub-category has returns > 5 %
38. Using Orders and Returns from Global Superstore, which Region had the highest Return % (Return as % of Total Sales) for Tables Sub-Category?
39. Using Orders and Returns on Global Superstore, identify the Manager whose Region Sales were greater than the Overall Average Sales?
40. Using Orders in Global Superstore, which Sub-Category has Standard Deviation for Sales and Profit one point more than the Mean of Sales and Profit?
41. Using SuperStore identify the office supply category where top 3 customers have negative profits along the region??(identify count of of negative profits)
42. Using Superstore, In which of the following regions the Subcategory Office Supplies has sales more than the Overall Average sales
43. Using World Indicators, what is the Maximum Female Life Expectancy in South Asia?
44. Using World Indicators, which Country has the highest Average Mobile usage% ?
45. What is the top performing sub-category for the year 2011
46. Which European country has the lowest profit in Furniture for 2012
47. Which Sales Bin of 1000 has Profit Ratio below 5%
48. Which Customer Segment has got highest profits and in which region?
49. Which Customer Segment has got negative average profit in East region and in which year?
50. Name the 1 st and 10 th customer with highest profit average
51. Name the two regions in which Furniture gives discount of maximum 25%
52. What is the sum of sales of Large Box(container) in Q2 (Quarter2)?
53. On which Day of the Order Date is the sum of Order Quantity 16,865?
54. Which Customer Segment has got the highest number of records and what is the value?
55. Name the item with highest average order quantity of 35.08
56. Where in tableau can I find grand total option?
57. What is the total average of Top 10 items by order quantity?
58. Find the number of records of category that end with ‘a’
59. Find the sum of sales value for that customer having highest count of customer ID.
60. What are the 5 products of tableau and which product is used only to view tableau reports?
61. What are context filters in tableau?
62. Which month has got profit of 172,899?
63. Which region has got highest profit percentage of over 80%
64. Which region has got a difference of (142.259) to central region?
65. Which customer has the highest % of profit in central region?
66. What is profit % of second customer in TOP10 Customers by sales per furniture?
67. Which region has got the max value of discount and how much is it?
68. What is minimum value of shipping cost in Adrian(city)?
69. What is the percentage difference of central from east region?
70. What is the percetange of total sales for “home office” in july 2012?
71. What is the profit difference of “home office” from “furniture” in 2013?
72. What is the avg running total of  futniture in department?
73. Find the total avg of sales of TOP 30 customers by sales per furniture in central region
74. Find top 10 items by profit within each region. Which item is ranked 2 in both central and East

region?

1. Create a group of those countries which has a  sale value less than 100,000, and what is the

total sale value of that group?

1. What is the shipping cost of Central &amp; South together? Is it higher than shipping cost of East &amp;West together? If yes, how much?
2. Name the categories that fall under 1% of sales
3. Find top 10 categories by average discount
4. What is the profit percentage of top 10 customers by sales over others?
5. Find top 10 customers by max profit, what is the average disscount of those 10 customers

over other customers

1. What is the difference in sales of citites having average profit of more than 60%, over the

others.