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A Composite Solution With Just One Click

Microsoft

70-452 PRACTICE EXAM

PRO: MS SQL Server@ 2008

Question: 1.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You plan to create a SQL Server 2008 Reporting Services (SSRS) solution that contains five sales dashboard reports.
Users must be able to manipulate the reports' parameters to analyze data.
You need to ensure that the following requirements are met:
Users can manipulate the parameters for data analysis in a single trip to the data source.
Reports are automatically rendered as soon as they are accessed for the first time.
Which two tasks should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Filter data by using expressions.
B. Specify the default values for each parameter.
C. Create an available values list for each parameter.
D. Create report parameters by using query parameters to filter data at the data source.

Answer: AB

Question: 2.

You design a SQL Server 2008 Reporting Services (SSRS) solution. You create a report by using Microsoft Visual Studio .NET 2008.
The report contains the following components:
A dataset named Customer that lists all active customers and their details. The dataset accepts no parameters.A dataset named SalesHistory that lists all sales transactions for a specified time period and accepts year and month as parameters.You need to ensure that a summary of sales transactions is displayed for each customer after the customer details.
Which component should you add to the report?

A. List
B. Table
C. Matrix
D. Subreport

Answer: D

Question: 3.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
The solution includes a SQL Server 2008 Analysis Services (SSAS) database. The database contains a data mining structure that uses a SQL Server 2008 table as a data source. A table named OrderDetails contains detailed information on product sales. The OrderDetails table includes a column named Markup.
You build a data mining model by using the Microsoft Decision Trees algorithm. You classify Markup as discretized content. The algorithm produces a large number of branches for Markup and results in low confidence ratings on predictable columns. You need to verify whether the Markup values include inaccurate data. What should you do?

A. Modify the content type of Markup as Continuous.
B. Create a data mining dimension in the SSAS database from OrderDetails.
C. Create a data profile by using SQL Server 2008 Integration Services (SSIS).

D. Create a cube in SSAS. Use OrderDetails as a measure group. Recreate the data mining structure and mining model from the cube data.

Answer: C

Question: 4.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
The solution contains a SQL Server 2008 Analysis Services (SSAS) database. A measure group in the database contains log entries of manufacturing events. These events include accidents, machine failures, production capacity metrics, and other activities.
You need to implement a data mining model that meets the following requirements:
Predict the frequency of different event types.
Identify short-term and long-term patterns.
Which algorithm should the data mining model use?

A. the Microsoft Time Series algorithm
B. the Microsoft Decision Trees algorithm
C. the Microsoft Linear Regression algorithm
D. the Microsoft Logistic Regression algorithm

Answer: A

Question: 5.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
The solution includes a SQL Server 2008 Analysis Services (SSAS) database. A cube in the database contains a large dimension named Customers. The database uses a data source that is located on a remote server.
Each day, an application adds millions of fact rows and thousands of new customers. Currently, a full process of the cube takes several hours. You need to ensure that queries return the most recent customer data with the minimum amount of latency.
Which cube storage model should you use?

A. hybrid online analytical processing (HOLAP)
B. relational online analytical processing (ROLAP)
C. multidimensional online analytical processing (MOLAP)
D. automatic multidimensional online analytical processing (automatic MOLAP)

Answer: A

Question: 6.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
The solution includes a SQL Server 2008 Analysis Services (SSAS) database. The database contains a cube named Financials. The cube contains objects as shown in the exhibit. (Click the Exhibit button.)

A calculated member named Gross Margin references both Sales Details and Product Costs.
You need to ensure that the solution meets the following requirements:
Managers must be able to view only their cost center's percentage of the company's gross margin.
The impact on query performance is minimal.
What should you do?

A. Add dimension-level security and enable the Visual Totals option.
B. Add cell-level security that has read permissions on the Gross Margin measure
C. Add cell-level security that has read contingent permissions on the Gross Margin measure.
D. Change the permissions on the Managers dimension level from Read to Read/Write.

Answer: A

Question: 7.

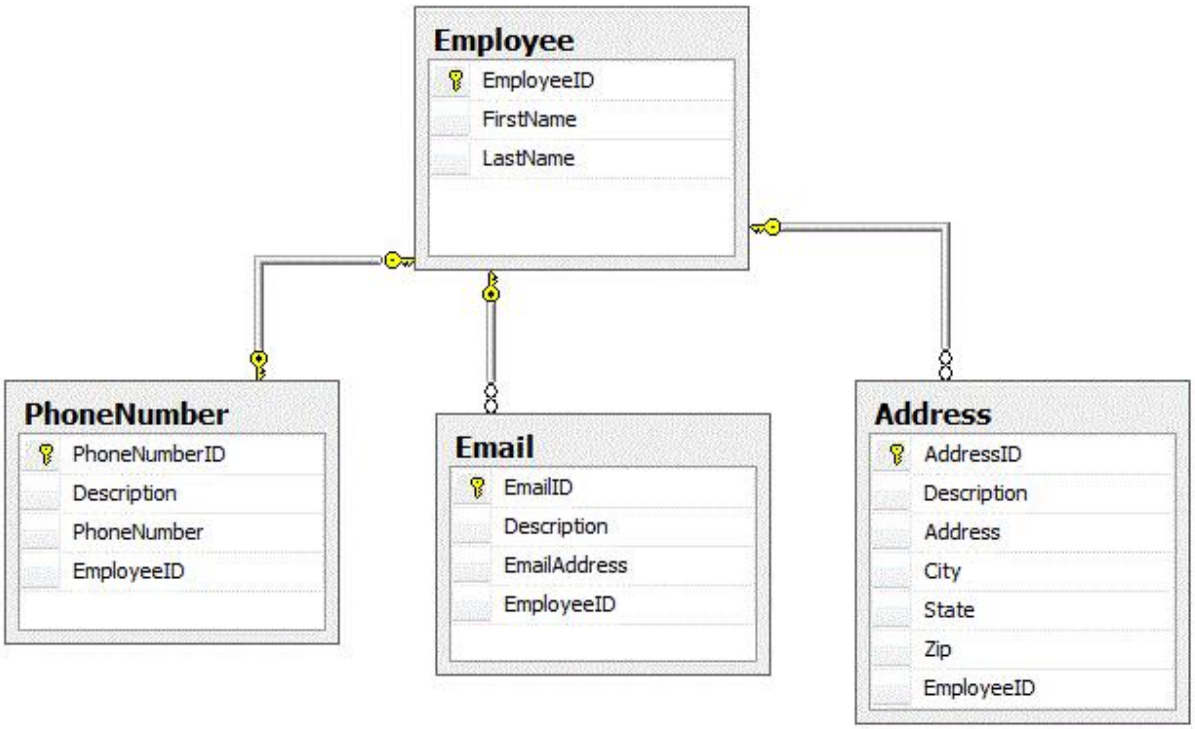
You design a Business Intelligence (BI) solution by using SQL Server 2008.
The solution includes a SQL Server 2008 Reporting Services (SSRS) infrastructure in a scale-out deployment. All reports use a SQL Server 2008 relational database as the data source. You implement row-level security.
You need to ensure that all reports display only the expected data based on the user who is viewing the report.
What should you do?

A. Store the credential of a user in the data source.
B. Configure the infrastructure to support Kerberos authentication.
C. Configure the infrastructure to support anonymous authentication by using a custom authentication extension.
D. Ensure that all report queries add a filter that uses the User.UserID value as a hidden parameter.

Answer: B

Question: 8.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You need to load data into your online transaction processing (OLTP) database once a week by using data from a flat file. The file contains all the details about new employees who joined your company last week. The data must be loaded into the tables shown in the exhibit. (Click the Exhibit button.) Employee.EmployeeID is an identity.



A SQL Server 2008 Integration Services (SSIS) package contains one data flow for each of the destination tables. In the Employee Data Flow, an OLE DB Command transformation executes a stored procedure that loads the Employee record and returns the EmployeeID value.
You need to accomplish the following tasks:
Ensure that the EmployeeID is used as a foreign key (FK) in all child tables for the correct Employee record.
Minimize the number of round trips to the database.
Ensure that the package performs in the most efficient manner possible.
What should you do?

A. Use a Lookup Transformation in each of the child table data flows to find the EmployeeID based on first name and last name.
B. Store the EmployeeID values in SSIS variables and use the variables to populate the FK columns in each of the child tables.
C. After the Employee table is loaded, write the data to a Raw File Destination and use the raw file as a source for each of the subsequent Data Flows.
D. After the Employee table is loaded, write the data to a Flat File Destination and use the flat file as a source for each of the subsequent Data Flows.

Answer: C

Question: 9.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You create a SQL Server 2008 Integration Services (SSIS) package to perform an extract, transform, and load (ETL) process to load data to a DimCustomer dimension table that contains 1 million rows.
Your data flow uses the following components:
A SQL Destination data flow task to insert new customers
An OLE DB Command transform that updates existing customers
On average, 25 percent of existing customer records is updated each night.
You need to reduce the amount of time required to update customer records.

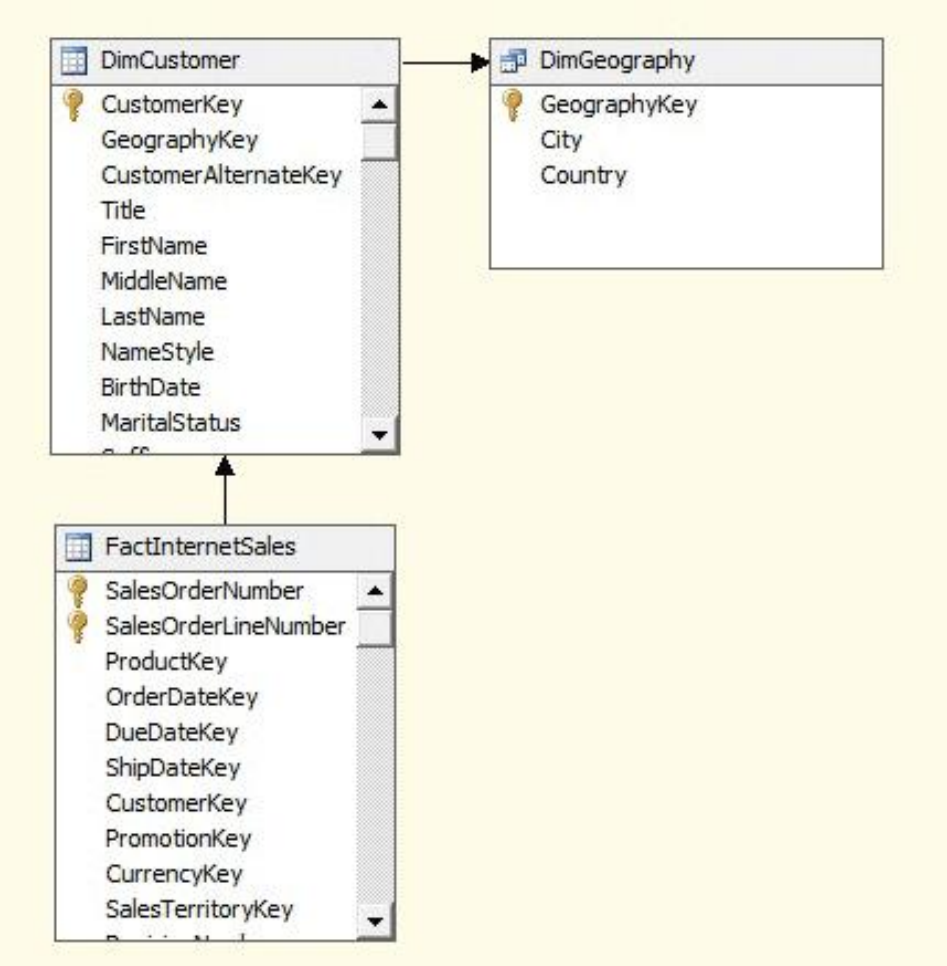
What should you do?

A. Modify the UPDATE statement in the OLE DB Command transform to use the PAGLOCK table hint.
B. Modify the UPDATE statement in the OLE DB Command transform to use the TABLOCK table hint.
C. Stage the data in the data flow. Replace the OLE DB Command transform in the data flow with an Execute SQL task in the control flow.
D. Stage the data in the data flow. Replace the UPDATE statement in the OLE DB Command transform with a DELETE statement followed by an INSERT statement.

Answer: C

Question: 10.

You design a SQL Server 2008 Analysis Services (SSAS) solution. The data source view has tables as shown in the exhibit. (Click the Exhibit button.)



The FactInternetSales measure will be queried frequently based on the city and country of the customer.
You need to design a cube that will provide optimal performance for queries.
Which design should you choose?

A. Create two dimensions named Customer and Geography from the DimCustomer table and the DimGeography table, respectively.
Create a materialized reference relationship between the Geography dimension and the FactInternetSales measure by using the Customer dimension as an intermediate dimension.
B. Create two dimensions named Customer and Geography from the DimCustomer table and the DimGeography

table, respectively.
Create an unmaterialized reference relationship between the Geography dimension and the FactInternetSales measure by using the Customer dimension as an intermediate dimension.
C. Create a dimension named Customer by joining the DimGeography and DimCustomer tables.
Add an attribute relationship from CustomerKey to City and from City to Country.
Create a regular relationship in the cube between the Customer dimension and the FactInternetSales measure.
D. Create a dimension named Customer by joining the DimGeography and DimCustomer tables.
Add an attribute relationship from CustomerKey to City and from CustomerKey to Country.
Create a regular relationship in the cube between the Customer dimension and the FactInternetSales measure.

Answer: C

Question: 11.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
Employees use a Windows Forms application based on Microsoft .NET Framework 3.5. SQL Server is not installed on the employees' computers.
You write a report by using Report Definition Language (RDL).
You need to ensure that if the employees are disconnected from the corporate network, the application renders the report.
What should you do?

A. Configure the application to use an SSRS Web service by using the Render method.
B. Configure the application to use an SSRS Web service by using the RenderStream method.
C. Embed ReportViewer in the application and configure ReportViewer to render reports by using the local processing mode.
D. Embed ReportViewer in the application and configure ReportViewer to render reports by using the remote processing mode.

Answer: C

Question: 12.

You design a SQL Server 2008 Reporting Services (SSRS) solution. The solution contains a report. The report includes information that is grouped into hierarchical levels.
You need to ensure that the solution meets the following requirements:
When you click each level, the next level of information must be displayed.
When you click the last level, detailed information must be displayed.
When the report is exported to a Microsoft Excel spreadsheet, all the levels and all detailed information must be available in the spreadsheet.
Which feature should the report use?

A. filter
B. drilldown
C. drillthrough
D. a document map

Answer: B

Question: 13.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You plan to develop SQL Server 2008 Reporting Services (SSRS) reports. Several reports will contain identical data regions.
You need to minimize the amount of maintenance when changes are made to the data regions.
What should you do?

A. Grant the Create Linked Reports role to all users.
B. Create each data region as a report. Embed the reports by using the subreport control.
C. Create a report template for each data region. Use the report template to create each report.
D. Create a shared data source in the SSRS project. Use the new shared data source for all reports.

Answer: B

Question: 14.

You are designing a SQL Server 2008 Reporting Services (SSRS) solution. You have a report that has several parameters that are populated when users execute the report.
You need to ensure that the solution meets the following requirements:
Users can define their own default parameter values for the report.
Users can schedule snapshots at any time.
Which feature should you use?

A. My Reports
B. Linked Reports
C. Standard Subscription
D. Data-Driven Subscription

Answer: B

Question: 15.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You have developed SQL Server 2008 Reporting Services (SSRS) reports that are deployed on an SSRS instance.
You plan to develop a new application to view the reports. The application will be developed by using Microsoft ASP.NET 3.5.
You need to ensure that the application can perform the following tasks:
Display available reports in a tree view control.
Create and manage subscriptions on reports.
What should you do?

A. Configure the ASP.NET application to use the SSRS Web service.
B. Configure the ASP.NET application to use URL access along with the Command parameter.
C. Embed a ReportViewer control in the ASP.NET application. Configure the control to use the local processing mode.
D. Embed a ReportViewer control in the ASP.NET application. Configure the control to use the remote processing mode.

Answer: A

Question: 16.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You design a SQL Server 2008 Reporting Services (SSRS) report that meets the following requirements:
Displays sales data for the last 12 months.
Enables users to view the sales information summarized by month.
Enables users to view individual sales orders for any given month.
You need to design the report to minimize the impact on bandwidth.
What should you do?

A. Create a standard report that contains all sales orders. Implement report filtering based on the month.
B. Create a standard report that contains all sales orders. Implement grouping for the monthly summaries.
C. Create a standard report that contains the monthly summaries. Create a subreport for the sales orders for any given month.
D. Create a standard report that contains the monthly summaries. Create a drillthrough report for the sales orders for any given month.

Answer: D

Question: 17.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You create a sales report by using SQL Server 2008 Reporting Services (SSRS). The report is used by managers in a specific country.
Each manager prints multiple copies of the report that contains the previous day's sales for each of their sales executives.
You need to ensure that the report uses the minimum number of round trips to the database server.
What should you do?

A. Query the database for both Country and Sales Executive.
B. Implement report filtering for both Country and Sales Executive.
C. Implement report filtering for Country and query the data source for Sales Executive.
D. Implement report filtering for Sales Executive and query the data source for Country.

Answer: D

Question: 18.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You plan to create a SQL Server 2008 Reporting Services (SSRS) report. The report must display the list of orders placed through the Internet.
You need to ensure that the following requirements are met:
The amount of time required for processing the report is minimal.
The report contains the most recent data at the end of each business day.
A report is available for any of the last seven days.
Which type of report should you create?

A. Linked
B. Ad Hoc

C. Cached
D. Snapshot

Answer: D

Question: 19.

You are creating a SQL Server 2008 Reporting Services (SSRS) solution for a company that has offices in different countries. The company has a data server for each country.
Sales data for each country is persisted in the respective data server for the country. Report developers have only Read access to all data servers. All data servers have the same schema for the database.
You design an SSRS solution to view sales data.
You need to ensure that users are able to easily switch between sales data for different countries.
What should you do?

A. Implement a single shared data source.
B. Implement multiple shared data sources.
C. Implement an embedded data source that has a static connection string.
D. Implement an embedded data source that has an expression-based connection string.

Answer: D

Question: 20.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
The solution will contain a total of 100 different reports created by using Report Definition Language (RDL).
Each report must meet the following requirements:
Display a common set of calculations based on a parameter value.
Provide a method for setting values on a report URL or in a subscription definition that are not exposed to a user.
The business rules for all reports that determine the calculations change frequently.
You need to design a solution that meets the requirements. You need to perform this action by using the minimum amount of development and maintenance effort.
What should you do?

A. Create hidden parameters in each report.
B. Create internal parameters in each report.
C. Implement the function in the <Code> element of each report.
D. Implement the function in a custom assembly. Reference the assembly in each report.

Answer: D

Question: 21.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You create a SQL Server 2008 Reporting Services (SSRS) solution. The solution contains a report named Sales Details that displays sales information of all the employees.
You create an SSRS report named Sales Summary that displays the total monthly sales of each employee.
Users who view the Sales Summary report occasionally require the monthly sales details for a particular employee.
You need to ensure that the users can click a value in the month column of the Sales Summary report to open and

render the Sales Details report.
What should you do?

A. Use a subreport.
B. Use a bookmark link.
C. Use the drilldown functionality.
D. Use a drillthrough report link.

Answer: D

Question: 22.

You design a Business Intelligence (BI) solution by using SQL Server 2008. You create a SQL Server 2008 Reporting Services (SSRS) report.
The report contains summary information in two sections named Agencies and States. The Agency summary section contains two matrices and the State summary section contains a table. The information about each section is grouped together.
You need to design the report to meet the following requirements:
When the report is exported to a Microsoft Excel spreadsheet, each summary section is rendered to a separate tab.
The structure in each section is retained.
What should you do?

A. Select the Keep together on one page option on all report items.
B. Select a line component between the report items for the Agency and State summary sections.
C. Select all the report items for each section in a list report item and enable the Add A Page Break Before option on the list report item.
D. Select all the report items for each section in a rectangle report item and enable the Add A Page Break Before option on the rectangle report item.

Answer: D

Question: 23.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You plan to create a SQL Server 2008 Reporting Services (SSRS) solution.
Developers generate random reports against a data source that contains 200 tables. Power users generate random reports against four of the 200 tables.
You need to design a strategy for the SSRS solution to meet the following requirements:
Uses minimum amount of development effort.
Provides two sets of tables in SSRS to the developers group and the power users group.
Which strategy should you use?

A. Create two Report Builder models.
Include the four frequently used tables in the first model and all the tables in the second model.
B. Create a Report Builder model by using all the tables.
Create a perspective within the model to use only the four frequently used tables.
C. Create a Report Builder model by using all the tables.
Create two folders.
Place the four frequently used tables in the first folder and the remaining tables in the second folder.
D. Create two Data Source Views.

Include all the tables in one Data Source View and the four frequently used tables in the other Data Source View.
Create two Report Builder models so that each model uses one of the Data Source Views.

Answer: B

Question: 24.

You design a Business Intelligence (BI) solution by using SQL Server 2008. Users have no specialized knowledge of the Transact-SQL (T-SQL) language.
You plan to create a reporting solution by using SQL Server 2008 Reporting Services (SSRS). You have data stored in a SQL Server 2008 relational data warehouse.
You need to ensure that users are able to create the necessary reports by using data from the data warehouse.
What should you do?

A. Create a shared data source that points to the data warehouse.
Instruct the users to use Report Designer in Business Intelligence Development Studio (BIDS) to create the reports by using the shared data source.
B. Create a Report Model from the data warehouse.
Instruct the users to use Report Builder 2.0 to create the reports by using the Report Model.
C. Create a shared data source that point to the data warehouse.
Instruct the users to use Report Builder 2.0 to create the reports by using the shared data source.
D. Create a Report Model from the data warehouse.
Instruct the users to use Report Designer in Business Intelligence Development Studio (BIDS) to create the reports by using the Report Model.

Answer: B

Question: 25.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You create a SQL Server 2008 Reporting Services (SSRS) solution. Twenty users edit the content of the reports. The users belong to an Active Directory group named Developers.
At times, the reports are published with incomplete information.
You need to design an approval process.
What should you do?

A. Restrict the Developers group to the Browser role in SSRS.
B. Add the Developers group to the Content Manager role in SSRS.
C. Deploy the reports to a Microsoft Office SharePoint Server 2007 environment.
D. Create a shared schedule for the reports. Set the snapshot execution option for all the reports by using the shared schedule.

Answer: C

Question: 26.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You create a SQL Server 2008 Reporting Services (SSRS) solution. The solution has a report named SalesDetails that contains a parameter named EmployeeID .

You have the following constraints:
Ten thousand employees require the report in different file formats.
The employees can view only their sales data by specifying their identity number as the EmployeeID parameter.
You need to ensure that the constraints are met before you deliver the report to the employees.
What should you do?

A. Create a data-driven subscription.
B. Create a SharePoint Report Center site.
C. Create a subscription for each employee.
D. Create a report model for each employee.

Answer: A

Question: 27.

You are a SQL Server 2008 Analysis Services (SSAS) data mining architect.
The customer table contains the following column names:
Customer_key
Name
Age
Education Level
IsBuyer
You plan to build a data mining model by using Microsoft Decision Trees algorithm for the customer table.
You need to identify the data column–model parameter pairs to predict possible buyers.
Which model should you select?

A.

Data Column	Model Parameter Type
Customer_key	Input
Name	Ignore
Education Level	Input, Predict
Age	Input, Predict
IsBuyer	Key

B.

Data Column	Model Parameter Type
Customer_key	Key
Name	Ignore
Education Level	Input
Age	Input
IsBuyer	Predict

C.

Data Column	Model Parameter Type
Customer_key	Input
Name	Ignore
Education Level	Input
Age	Input
IsBuyer	Key

D.

Data Column	Model Parameter Type
Customer_key	Predict

Name	Key
Education Level	Input
Age	Input
IsBuyer	Input

Answer: B

Question: 28.

You design a SQL Server 2008 Analysis Services (SSAS) solution.
You have the following requirements for a single data mining model:
Group all customers by two different age ranges.
Group all customers by ten different age ranges.
You need to design the model to meet the requirements.
What should you include in the design?

A. one column of the Long data type and the Discrete content type
B. one column of the Long data type and the Continuous content type
C. two columns, each of the Long data type and the Discrete content type
D. two columns, each of the Long data type and the Discretized content type

Answer: D

Question: 29.

You design a SQL Server 2008 Analysis Services (SSAS) solution.
The solution includes a mining structure that is created by using the default options and a mining model that uses the Microsoft Clustering algorithm. You need to ensure that users can access source data by querying the mining model.
What should you do?

A. Modify the mining structure to include a filter.
B. Modify the mining structure to enable drillthrough.
C. Include a task in the solution to process the mining model.
D. Include a task in the solution to delete all cached data from the mining model.

Answer: B

Question: 30.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
A data warehouse named CustomerDW contains a Fact table named FactCustomer. The FactCustomer table contains two columns named CustomerKey and CustomerSales.
You create a data mining model named CustomerModel by using SQL Server 2008 Analysis Services (SSAS).
A report that is developed by using SQL Server 2008 Reporting Services (SSRS) lists the top 50 customers based on the sales amount. The report extracts data from a SQL Server relational database.
You add a column named UpSell to the report.
You need to ensure that the UpSell column displays the probability values of the expensive products that customers are likely to purchase.
Which Data Mining Extensions (DMX) query should you use?

A. SELECT PredictProbability(t.[UpSell]) as [UpSell],
m.[CustomerKey], m.[CustomerSales]
From [CustomerModel] m
PREDICTION JOIN OPENQUERY([CustomerDW],
'SELECT
[CustomerKey], [CustomerSales] From FactCustomer
ORDER BY [CustomerSales]
') AS t
ON m.[CustomerKey] = t.[CustomerKey]
B. SELECT PredictProbability(m.[UpSell]) as [UpSell],
t.[CustomerKey], t.[CustomerSales]
From [CustomerModel] m
PREDICTION JOIN
OPENQUERY([CustomerDW],
'SELECT TOP 50
[CustomerKey], [CustomerSales]
FROM FactCustomer
ORDER BY [CustomerSales]
') AS t
C. SELECT PredictProbability(m.[UpSell]) as [UpSell],
t.[CustomerKey], t.[CustomerSales]
From [CustomerModel] m
PREDICTION JOIN OPENQUERY([CustomerDW],
'SELECT TOP 50
[CustomerKey],[CustomerSales]
From FactCustomer
ORDER BY [CustomerSales]
') AS t
ON m.[CustomerKey] = t.[CustomerKey]
D. SELECT Probability(m.[UpSell]) as [UpSell],
t.[CustomerKey], t.[CustomerSales]
From [CustomerModel] m
PREDICTION JOIN OPENQUERY([CustomerDW],
'SELECT
[CustomerKey], [CustomerSales]
From FactCustomer
ORDER BY [CustomerSales]
') AS t
ON m.[CustomerKey] = t.[CustomerKey]

Answer: C

Question: 31.

You design a Business Intelligence solution by using SQL Server 2008.
The solution includes a SQL Server 2008 Analysis Services (SSAS) database. You design a data mining structure. The structure is used by a data mining model that predicts the expected growth for a particular market location. The model also populates a data mining dimension named Market Location.
The database includes a cube that contains a calculated member named Predicted Revenue. The calculated member uses predictions from the data mining model.

You have the following business requirements:
The view shown in the following exhibit must be displayed to consultants. (Click the Exhibit button.)

Market Location	Predicted Revenue
Bay Area	#N/A
Europe HQ	#N/A
Germany	#N/A
Gulf Coast	#N/A
Microsoft Dynamics	#N/A
Midwest	#N/A
Northeast	#N/A
Pacific Northwest	#N/A
Pacific Southwest	#N/A
Portugal	#N/A
Rocky Mountains	#N/A
Southeast	#N/A
Southwest	#N/A
Spain	#N/A
Support Services	#N/A
UK	#N/A
Unassigned	#N/A
Grand Total	#N/A

·The view shown in the following exhibit must be displayed to managers. (Click the Exhibit button.)

Market Location	Predicted Revenue
Bay Area	16,190,550
Europe HQ	
Germany	12,000
Gulf Coast	24,857,499
Microsoft Dynamics	483,327
Midwest	21,325,118
Northeast	15,804,479
Pacific Northwest	34,562,679
Pacific Southwest	34,511,559
Portugal	1,480,058
Rocky Mountains	31,032,424
Southeast	26,686,317
Southwest	56,455,624
Spain	2,277,760
Support Services	43,200
UK	8,692,785
Unassigned	-6,650
Grand Total	274,408,728

You need to design a solution that meets the business requirements.
What should you do?

A. Implement cell-level security on the cube.
B. Implement drillthrough security on the cube.
C. Implement dimension-level security on the Market Location dimension.
D. Create a new reference dimension that joins Windows user names and their allowed market locations. Implement dimension-level security on the new reference dimension.

Answer: A

Question: 32.

You design a Business Intelligence (BI) solution by using SQL Server 2008. The solution includes a SQL Server 2008 Analysis Services (SSAS) database.
A measure group in the database contains transaction details. The transaction details include the price, volume of shares, trade type, and several other attributes of each transaction.
You need to implement a data mining model that will estimate the future prices based on the existing transaction data.
Which algorithm should the data mining model use?

A. the Microsoft Clustering algorithm
B. the Microsoft Association algorithm
C. the Microsoft Naive Bayes algorithm
D. the Microsoft Neural Network algorithm

Answer: D

Question: 33.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
Your company processes all transaction data in a Point of Sale (POS) application.
Based on the transaction data, you design a solution to predict the type of products a customer tends to purchase on a single visit.
You need to identify the appropriate algorithm to design the solution.
Which algorithm should you use?

A. Clustering
B. Na?ve Bayes
C. Association Rules
D. Time Series

Answer: C

Question: 34.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
Your solution includes a data mining structure that uses SQL Server 2008 Analysis Services (SSAS) as its data source.
The measure groups use 100 percent multidimensional online analytical processing (MOLAP) storage.
You need to provide detailed information on the training and test data to ensure the accuracy of the mining model.
You also need to minimize the time required to create the training and test data.
Which two tasks should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Perform cross-validation queries to the test and training data.
B. Create a new mining structure that has a holdout value.
C. Create a SQL Sever 2008 Integration Services (SSIS) package that partitions test and training datasets and merges case and nested tables.

D. Use a Sort Data Flow transformation.
E. Use an ORDER BY clause in the Data Flow source query. Define a SortKeyPosition ordinal key for the appropriate output column.

Answer: AB

Question: 35.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
The solution has been deployed by using default settings on a SQL Server 2008 Analysis Services (SSAS) instance. The solution has a large cube that processes 10 million fact rows.
You frequently encounter out-of-memory exceptions when the cube is processed.
You need to recommend a solution to resolve the out-of-memory exceptions when the cube is processed. You want to achieve this task by using the minimum amount of development effort.
What should you do?

A. Reduce the number of aggregations.
B. Partition the cube. Process the cube based on each partition.
C.Increase the physical memory available to the SSAS instance by modifying the Memory\TotalMemoryLimit server property.
D.Increase the physical memory available to the SSAS instance by modifying the OLAP\Process\BufferMemoryLimit server property.

Answer: D

Question: 36.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You deploy a SQL Server 2008 Analysis Services (SSAS) cube. The cube contains a measure group that uses table binding. The measure group contains 200 million rows.
A job that processes the measure group fails. The log shows an out-of-memory error. The job uses the Process Update option.
You need to resolve the error. You need to perform this action without increasing the available physical memory for the SSAS instance. What should you do?

A. Change the job to process the cube.
B. Change the job to process the measure group with the Process Full option.
C. Increase the number of partitions in the measure group.
D. Increase the number of aggregations in the measure group.

Answer: C

Question: 37.

You design a Business Intelligence (BI) solution by using SQL Server 2008. Your solution includes relational and analysis services.
The solution has a cube that is queried by more than 650 users. During peak hours, more than 100 active connections are open on the cube at any given time. Users connect to and query the cube by using custom-built applications. You need to view the connection details and the application name that is used to connect to the cube of all users. What

should you do?

A. Use the Resource Governor.
B. Use the Database Tuning Advisor.
C. Use the Analysis Services performance counters.
D. Prepare a report by using a dynamic management view.

Answer: D

Question: 38.

You design a Business Intelligence (BI) solution by using SQL Server 2008. A SQL Server 2008 Reporting Services (SSRS) instance contains a report. Employees execute the report by using Report Manager.
Each employee has his own specific set of parameters to execute the report. Data for the report is updated once daily.
For each employee, the report takes more than five minutes to execute.
You discover that data retrieval takes most of the time during report execution.
You need to reduce the execution time of the report.
What should you do?

A. Create a report execution snapshot.
B. Create a data-driven subscription that uses the NULL delivery method.
C. Create a data-driven subscription that uses the file share delivery method.
D. Create a standard subscription that uses the file share delivery method.

Answer: B

Question: 39.

You design a Business Intelligence (BI) solution by using SQL Server 2008. The solution includes several SQL Server 2008 Integration Services (SSIS) packages. The SSIS packages import data from files located on other servers.
The packages will be deployed to a SQL Server 2008 instance and scheduled to run through the SQL Server Agent service. The SQL Server Agent service runs under a local user account.
The SSIS packages fail to run when the SQL Server Agent jobs are executed.
You need to ensure that the packages run successfully in the production environment.
What should you do?

A. Configure the SQL Server Agent job step to run as a proxy account.
B. Configure the SQL Server Agent job to use the sa account as the job owner.
C. Configure the SQL Server Agent service to use the Local Service account.
D. Configure the SQL Server Agent service to use a local administrator account.

Answer: A

Question: 40.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
The SQL Server 2008 Integration Services (SSIS) developers use a SQL Server 2008 instance as the primary development environment.
All the SSIS packages contain data connection managers that use SQL Server authentication to extract dat

a. The packages are saved by using the EncryptAllWithUserKey package protection level.
You plan a package migration strategy from the development environment to a production environment. Migration will be performed by using an automated script.
You need to ensure that the packages execute without error in the production environment.
What should you do?
A. Create a package configuration for every package that uses a SQL Server table.
B. Create a package configuration for every package that uses an XML configuration file.
C. Export each package and change the package protection level to DontSaveSensitive.
D. Export each package and change the package protection level to EncryptSensitiveWithPassword.

Answer: D

Question: 41.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
The SQL Server 2008 instance hosts a database. The database is currently scheduled for a full backup on a monthly basis.
The 4-terabyte database contains 3.5 terabyte of data in a read-only filegroup. The database uses the bulk-logged recovery model.
You need to back up the database changes to a tape drive every night by using minimum storage space and time.
Which backup strategy should you use?

A. File backup
B. Partial backup
C. Differential backup
D. Differential Partial backup

Answer: D

Question: 42.

You administer a server that runs SQL Server 2008 Integration Services (SSIS) packages.
The packages are stored on the file system.
You need to integrate the backup and restore processes for the SSIS packages along with the regular SQL Server backup process.
What should you do?

A. Deploy the packages to SQL Server 2008 and back up the msdb system database.
B. Deploy the packages to SQL Server 2008 and back up the master system database.
C. In the ProtectionLevel package property, select the ServerStorage option.
D. In the ProtectionLevel package property, select the DontSaveSensitive option.

Answer: A

Question: 43.

You administer a SQL Server 2008 Reporting Services (SSRS) environment.
You restore the ReportServer and ReportServerTempDB databases to a new server. When you browse to the Report Manager Web page, you receive an error message. You are unable to view the folder structure and the reports.

You need to view the folder structure and the reports.
What should you do?

A. Restore the symmetric key.
B. Restore the msdb database.
C. Restore the master database.
D. Configure the IIS virtual directory.

Answer: A

Question: 44.

You administer a SQL Server 2005 Reporting Services server. Your company publishes reports to a public Web site.
Customers can view the reports without providing user credentials.
You plan to upgrade the server to use SQL Server 2008 Reporting Services.
You need to ensure that customers can continue to view the reports without providing user credentials.
What should you do?

A. Enable Basic authentication.
B. Enable Anonymous access on the IIS virtual directory.
C. Use a custom authentication extension.
D. Select Windows Authentication and add the Guest user account.

Answer: C

Question: 45.

You administer a Microsoft SQL Server 2005 Reporting Services (SSRS) instance.
The instance has the following features:
Deployed as a single server
Configured to use Native mode
A custom data extension developed by using Microsoft .NET Framework 2.0
You plan to upgrade the instance to SQL Server 2008 Reporting Services.
You need to upgrade the instance without loss of functionality.
What should you do?

A. Uninstall Internet Information Services (IIS).
B. Upgrade the data extension to .NET Framework 3.5.
C. Edit the RSWebapplication.config file to refer to the upgraded SSRS endpoint location.
D. Install a new instance of SSRS. Migrate the existing configuration files and database to the new instance.

Answer: D

Question: 46.

You administer a SQL Server 2000 server.
The SQL Server 2000 server hosts a SQL Server 2000 relational data warehouse and a SQL Server 2000 Analysis Services database (OLAP database).
You plan to migrate to a new SQL Server 2008 server in a new untrusted domain.

You need to ensure that both the relational data warehouse and the OLAP database are migrated in the minimum possible time.
What should you do?

A.Use the Copy Database Wizard to migrate the relational data warehouse.
Use the Migration Wizard to migrate the OLAP database and process the OLAP database.
B.Use the Copy Database Wizard to migrate the relational data warehouse.
Use the Migration Wizard to migrate the OLAP database and do not process the OLAP database.
C.Perform a detach and attach of the relational data warehouse files from SQL Server 2000 to SQL Server 2008.
Use the Migration Wizard to migrate the OLAP database and process the OLAP database.
D.Perform a detach and attach of the relational data warehouse files from SQL Server 2000 to SQL Server 2008.
Use the Migration Wizard to migrate the OLAP database and do not process the OLAP database.

Answer: C

Question: 47.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
The solution will support a Microsoft ASP.NET application that is deployed to a Web farm. Reports will be deployed to a SQL Server 2008 Reporting Services (SSRS) instance. The databases for the SSRS instance will be deployed to a two-node failover cluster that hosts a single instance of SQL Server 2008.
You need to ensure that the SSRS instance remains available even when one of the servers fails.
What should you do?

A. Configure SSRS for native server mode.
B. Configure SSRS for integrated server mode.
C. Deploy SSRS on the primary node of the cluster.
D. Deploy SSRS in a scale-out deployment on the Web farm.

Answer: D

Question: 48.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You plan to deploy a new SQL Server 2008 Reporting Services (SSRS) solution for an accounting department. The department currently uses Microsoft Excel 2007–based reports hosted on Windows SharePoint Services (WSS) 3.0.
You need to replace the existing Excel 2007 reports with SSRS-based reports.
Your solution must meet the following requirements:
Users must be able to access the reports by using WSS.
Reports must be version-controlled.
Developers must be able to deploy the reports to a WSS document library.
Which two tasks should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Configure the SSRS instance by using native mode.
B. Configure the SSRS instance by using SharePoint integration mode.
C. Install the Reporting Services Add-in for SharePoint Technologies in the WSS server.
D. Install SharePoint Web Part in the WSS server. Configure the Web Part to point to the reports in Report Manager.

Answer: BC

Question: 49.

You design a Business Intelligence (BI) solution by using SQL Server 2008. The solution includes reports hosted on a single SQL Server 2008 Reporting Services (SSRS) server.
You plan to modify the report server infrastructure to support a scale-out deployment.
You need to ensure that the scale-out deployment meets the following requirements:
Allows users to access any of the Report Server servers by using the original Report Manager URL.
Minimizes network traffic.
Which three tasks should you perform? (Each correct answer presents part of the solution. Choose three.)

A. Add a <HostName> element in the <Service> section of each RsReportServer.config file.
B. Add the same <machineKey> element in the <system.web> section of all web.config files for each Report Server server.
C. Add a different <machineKey> element in the <system.web> section of all web.config files for each Report Server server.
D. Modify the <UrlRoot> element in the <Service> section of each RsReportServer.config file.
E. Modify the <ReportServerUrl> element in the <UI> section of each RsReportServer.config file.
F. Modify the <sessionState> element in the <system.web> section of the web.config file in each ReportManager folder.

Answer: ABD

Question: 50.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You plan to develop a report that will use data obtained from a SQL Server 2008 Analysis Services (SSAS) instance. The solution has many key performance indicators (KPIs).
You need to ensure that users can perform the following tasks in the minimum amount of time and by using the minimum amount of development effort:
Browse through the report offline.
View the KPIs that they want to see.
Which tool should you use?

A. Report Builder
B. Microsoft Excel 2007
C. SQL Server 2008 Reporting Services (SSRS)
D. a custom Microsoft ASP.NET application that has the ReportViewer control

Answer: B

Question: 51.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You plan to design a report that uses data obtained from a SQL Server 2008 Analysis Services (SSAS) instance.
The SSAS cube contains five parent–child key performance indicators (KPIs). Each KPI has nine children.
You need to create an executive dashboard in Microsoft Office SharePoint Server (MOSS) that displays the KPIs and depicts the parent–child relationship.
Which technology should you use?

A. Microsoft Office Excel

B. MOSS KPI Library
C. MOSS Business Data Catalog
D. Microsoft Office PerformancePoint Server

Answer: D

Question: 52.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You have a SQL Server 2008 Analysis Services (SSAS) cube. Some users only use Microsoft Excel 2007. Some users only use Microsoft ProClarity.
You plan to add new key performance indicators (KPIs).
You need to ensure that the KPIs meet the following requirements:
Provide all users access to the new KPIs.
Minimize future maintenance.
What should you do?

A. Create the KPIs in ProClarity.
B. Create the KPIs in the Excel spreadsheets.
C. Create the KPIs in the SSAS cube.
D. Create SQL Server 2008 Reporting Services (SSRS) reports that contain the expected KPIs.

Answer: C

Question: 53.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You plan to design a dimensional modeling strategy for a new data warehouse. The data warehouse has a dimension table named Employees. The Employees dimension table contains information about the employees and their departments.
Employees are moved to different departments frequently.
You need to preserve the historical information of the Employees table.
Which dimensional model should you use?

A. Role-Playing Dimension
B. Degenerated Dimension
C. Type I Slowly Changing Dimension
D. Type II Slowly Changing Dimension

Answer: D

Question: 54.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
At the end of every business day, an application records the inventory to the Products table.
The business solution for the application must accommodate the following features:
The content of the Products table varies every day.
Historical product attributes are not stored.
You need to identify an appropriate dimensional model to meet the business solution.

Which model should you use?

A. Degenerate Dimension
B. Parent–Child Dimension
C. Type I Slowly Changing Dimension
D. Type II Slowly Changing Dimension

Answer: C

Question: 55.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You plan to design a dimensional modeling strategy for a new data warehouse application.
The application contains the following dimensions:
Product
Time
Customer
SalesPerson
The application contains the following cubes:
Sales that contains all the dimensions
Products that contain the Product and the Time dimensions
Customers that contain the Customer and the Time dimensions
You need to design an appropriate dimensional modeling strategy for the Product and the Time dimensions.
Which dimensional model should you use?

A. Conformed dimensions
B. Degenerate dimensions
C. Parent–Child dimensions
D. Reference dimensions

Answer: A

Question: 56.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
The data warehouse contains a table named Employee Dimension.
The table contains the following three attributes:
EmployeeID
EmployeeName
ReportsTo
The ReportsTo attribute tracks the EmployeeID attribute of the manager that an employee reports to.
You need to ensure that sales data of only managers and the names of all employees reporting to each of these managers are displayed. You want to achieve this goal by using a hierarchy model that provides the best possible performance when the data warehouse is queried.
Which hierarchy model should you use?

A. Ragged Hierarchy
B. Balanced Hierarchy
C. Non-Natural Hierarchy
D. Parent–Child Dimensional Hierarchy

Answer: D

Question: 57.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You have deployed a SQL Server 2008 Reporting Services (SSRS) application.
The number of users for the SSRS application increases. This results in performance problems. The datasets for the reports are optimized.
You investigate the SSRS deployment and discover the following characteristics:
Users report that the reports take a long time to run.
There are a large number of graphical reports that summarize data.
Subscription processing affects the performance of reports that are run by interactive users.
You need to modify the SSRS infrastructure to resolve the performance problems.
Which scale-out strategy should you use?

A. Single SSRS server and a single reporting database server
B. Multiple SSRS servers and a single reporting database server
C. Single SSRS server and multiple reporting database servers
D. Multiple SSRS servers and multiple reporting database servers

Answer: B

Question: 58.

You design a Business Intelligence (BI) solution by using SQL Server 2008. The solution includes a SQL Server 2008 Analysis Services (SSAS) application that resides on a single server.
Data in the SSAS database grows every month.
You need to provide a scalability strategy that meets the following requirements:
Maximizes the end-user throughput.
Minimizes daily downtime window due to processing.
Accommodates an unexpected increase in the number of users.
What should you do?

A. Use proactive caching on the server.
B. Add an additional server and use remote partitions.
C. Scale out the solution by adding more computers and use the Read-Only Database functionality.
D. Use the multidimensional online analytical processing (MOLAP)–enabled write-back capabilities of the Analysis Services.

Answer: C

Question: 59.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You plan to deploy a new database to the SQL Server 2008 Analysis Services (SSAS) instance. The database contains a cube. The cube contains three Type 1 slowly changing dimensions.
The database is updated throughout the day by adding 5,000 rows of data every hour.
You need to ensure that the cube always contains up-to-date data. You also need to ensure that the users can access

the cube during cube processing.
What should you do?

A. Use the relational online analytical processing (ROLAP) cube storage model.
B. Use the hybrid online analytical processing (HOLAP) cube storage model. Use the snapshot isolation level in the relational database that the cube is built on.
C. Use the automatic multidimensional online analytical processing (MOLAP) cube storage model.
D. Use the hybrid online analytical processing (HOLAP) cube storage model. Use SQL Server 2008 Integration Services (SSIS) pipeline tasks to schedule periodic cube updates.

Answer: A

Question: 60.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
The solution has a cube that is processed periodically. The cube takes several hours to process.
Cube processing results in a considerable amount of downtime.
You need to minimize the downtime while maintaining the best possible query performance of the cube.
What should you do?

A. Use the multidimensional online analytical processing (MOLAP) cube storage model.
Process the cube on a staging server.
Use database synchronization to copy the cube to a production server.
B. Use the relational online analytical processing (ROLAP) cube storage model.
Process the cube on a staging server.
Use database synchronization to copy the cube to a production server.
C. Use the hybrid online analytical processing (HOLAP) cube storage model.
Process the cube on a production server.
D.Partition the cube into several partitions.
Use the relational online analytical processing (ROLAP) cube storage model for each partition.
Process the cube on a production server.

Answer: A

Question: 61.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You develop a SQL Server 2008 Analysis Services (SSAS) project and use Microsoft Visual Source Safe (VSS) as the source control system. After making changes to the project, you check in the files to the VSS. Then, you deploy the project to a shared server for testing.
Four new developers are assigned to work in parallel on the project.
You need to ensure that the new developers can modify the most recent version of the project and test it without affecting the work of the existing developers.
What should you do?

A. Deploy the project to a local server.
B. Set the Deployment mode of the project to Deploy All.
C. Set the Deployment mode of the project to Deploy Changes Only.
D. Increment the version number of the deployment server in build properties for each deployment.

Answer: A

Question: 62.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
Several developers work on a large SQL Server 2008 Analysis Services (SSAS) project. Developers will work in parallel on the same cubes in the solution.
You need to manage the cube definitions to ensure that each developer's work is not overwritten. You also need to ensure that conflicts can be easily resolved.
What should you recommend the developers to do?

A. Work in online mode against a shared server.
B. Work in disconnected mode and deploy the solution to a shared server frequently.
C. Work in disconnected mode and check in the project to a source control system frequently.
D. Work in online mode against a local server and synchronize the SSAS database with a shared server frequently.

Answer: C

Question: 63.

You are the lead developer for a SQL Server 2008 data warehousing project.
The source database for the project is an online transaction processing (OLTP) system. The OLTP system executes 4,000 transactions every minute during business hours.
The OLTP system records only the date and time of insertion of a new row and not for the updates of existing rows.
You plan to design an extract, transform, and load (ETL) process for the project that populates a data warehouse from the source database.
The ETL process must be configured in the following manner:
To run after business hours
To capture new rows and existing rows that have been modified
You need to ensure that only new rows or modified rows from the database tables are processed by the ETL process.
What should you do?

A.Configure the data warehouse database to support the Type I Slowly Changing Dimension transformation.
B.Configure the data warehouse database to support the Type II Slowly Changing Dimension transformation.
C.Configure the Change Data Capture feature on all the source database tables that will be processed by the ETL process.
D.Configure the Change Data Capture feature on all the data warehouse database tables that will be processed by the ETL process.

Answer: C

Question: 64.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
The solution includes a data warehouse that has an online transaction processing (OLTP) database as the data source.
The tables in the OLTP database do not include date or time information. On each execution, the SQL Server 2008 Integration Services (SSIS) package that copies the data must reload and process the entire dataset.
You plan to improve the process of loading the data warehouse.
You need to ensure that the following requirements are met:

Only new and modified data is processed.
All modifications of the rows caused due to insert, update, and delete activities are processed.
The impact of the loading process on the source system is minimal.
Which action should you perform on the tables that are involved in the load process?

A. Set up the Change Tracking feature.
B. Set up the Change Data Capture (CDC) feature.
C. Create timestamp columns.
D. Create Data Manipulation Language (DML) triggers.

Answer: B

Question: 65.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
The instance contains an SQL Server 2008 Analysis Services (SSAS) database. The SSAS database contains a cube named Sales. The Sales cube has a dimension named Geography and a role named roleEurope.
The Geography dimension has a hierarchy that contains the following members:
Continent
Region
City
You plan to design the security configuration for the Sales cube.
You need to enable the Read permissions for the roleEurope role. You also need to ensure that the roleEurope role can access only the Fact rows that are members of the Europe continent.
Which Multidimensional Expressions (MDX) statement should you use?

A. MEASURES.CURRENTMEMBER IS EUROPE
B. MEASURES.CURRENTMEMBER[CONTINENT] IS EUROPE
C. ANCESTOR(GEOGRAPHY.CURRENTMEMBER) IS EUROPE
D. ANCESTOR(GEOGRAPHY.CURRENTMEMBER,[CONTINENT]) IS EUROPE

Answer: D

Question: 66.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You are building an extract, transform, and load (ETL) process by using SQL Server 2008 Integration Services (SSIS).
You stage data in a SQL Server 2008 database. You load a data warehouse that has 15 dimension tables and 3 fact tables.
You need to design a control flow that meets the following requirements:
Each table must be loaded with its own SSIS package.
All packages must be controlled from a master package.
Dimension tables must have no interdependencies.
Dimension tables must load without error before the Fact tables are loaded.
Master package parallelism must be maximized.
What should you do?

A.Place the dimension packages in a sequence container and connect them by using a precedence constraint set to Success.
Use a precedence constraint set to Success to connect another sequence container holding the Fact packages.

B.Place the dimension packages in a sequence container.
Use a precedence constraint set to Success to connect another sequence container holding the Fact packages.
Set the FailParentOnFailure property to True for each dimension package.
C. Connect the dimension packages by using a precedence constraint set to Success.
Connect the Fact packages to the end of the dimension packages by using a precedence constraint set to Success.
Set the FailPackageOnFailure property to True for each dimension package.
D. Place an Execute Package task inside a Foreach Loop container and change the connection string for the Execute Package task on each iteration.
Connect the Fact packages to the end of the Foreach Loop container by using a precedence constraint set to Success.
Set the FailPackageOnFailure property to True for the Foreach Loop container.

Answer: B

Question: 67.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You plan to transform sales data from a retail sales outlet database to a SQL Server 2008 data warehouse by using SQL Server 2008 Integration Services (SSIS).
The retail sales database is an online transaction processing (OLTP) database that processes large amounts of transactions twenty-four hours a day.
You need to design the structure of the SSIS packages such that the performance of the source system is minimally affected.
What should you do?

A. Load and transform data from the source directly to the data warehouse once a day.
B. Load data from the source to a staging database once a day. Then, transform the data to the data warehouse.
C. Load and transform data from the source directly to the data warehouse four times a day at regular intervals of time.
D. Load data from the source to a staging database four times a day at regular intervals of time. Then, transform the data to the data warehouse once a day.

Answer: D

Question: 68.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You have a SQL Server 2008 Integration Services (SSIS) package that runs against a SQL Server 2008 data source. The package contains an opening Execute SQL task that runs the BEGIN TRANSACTION command. This is followed by a Sequence task that contains additional Execute SQL tasks, each with the FailParentOnFailure property set to TRUE . There are two Execute SQL tasks. The first task is connected to a Success precedence constraint that runs the COMMIT TRANSACTION command. The next task is connected to a Failure precedence constraint that runs the ROLLBACK TRANSACTION command.
The package fails but the transaction is not rolled back.
You need to ensure that the transaction is successfully rolled back if the package fails.
What should you do?

A. Modify the RetainSameConnection property as True for the Connection Object.
B. Modify the TransactionOption property as Required for the Sequence Container.
C. Modify the TransactionOption property as Required for each Execute SQL task.
D. Modify the IsolationLevel property as ReadCommitted for each Execute SQL task.

Answer: A

Question: 69.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You design a solution that analyzes the usage of discount vouchers issued by the company.
The data warehouse of the company contains a dimension table named Vouchers. The dimension table contains two columns named VoucherNumber and CustomerFullName.
A value for the CustomerFullName column is not available till the voucher is used.
You need to configure the Slowly Changing Dimension transformation to load the Vouchers dimension even if there is a NULL value in the CustomerFullName column.
What should you do?

A. Enable the support for inferred members.
B. Set the Change Type option to Fixed Attribute for the CustomerFullName column.
C. Set the Change Type option to Historical Attribute for the VoucherNumber column.
D. Set the Change Type option to Changing Attribute for the VoucherNumber column.

Answer: A

Question: 70.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You plan to transform vehicle survey data from a flat file to a data warehouse.
You need to design a solution that performs the following tasks:
Redirect data of vehicle owners to a table named DimOwner.
Redirect data of vehicle enthusiasts to a table named DimEnthusiast.
Log each record's key along with the data transfer date to an audit table.
What should you do?

A. Use a Conditional Split component to redirect data to the audit table and to a Multicast component.
Use the Multicast component to redirect the data to the DimOwner and DimEnthusiast tables.
B. Use a Conditional Split component to redirect data to the audit table and to a second Conditional Split component.
Use the second Conditional Split component to redirect the data to the DimOwner and DimEnthusiast tables.
C. Use a Multicast component to redirect data to the audit table and to a second Multicast component.
Use the second Multicast component to redirect the data to the DimOwner and DimEnthusiast tables.
D. Use a Multicast component to redirect data to the audit table and to a Conditional Split component.
Use the Conditional Split component to redirect the data to the DimOwner and DimEnthusiast tables.

Answer: D

Question: 71.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You develop a SQL Server 2008 Integration Services (SSIS) package to perform an extract, transform, and load (ETL) process from a Microsoft Access database to a SQL Server 2008 data warehouse. The package is developed on a computer that runs a 32-bit operating system.
You deploy the package to a server that runs a 64-bit operating system. You create a SQL Server Agent job to run the

package. The package fails to run when the job starts.
You need to ensure that the package runs successfully.
What should you do?

A. Redeploy the package to the Program Files (x86) folder.
B. Enable the Use 32 bit runtime option in the job step of the SQL Server Agent job.
C. Rebuild the package on a computer that runs a 64-bit operating system. Redeploy the package to the server.
D. Modify the project of the package by setting the Run64BitRuntime property to TRUE . Rebuild and redeploy the package to the server.

Answer: B

Question: 72.

You are managing a Business Intelligence (BI) infrastructure that uses SQL Server 2008 Integration Services (SSIS). Your infrastructure has many SSIS solutions that contain several packages. The current backup strategy includes nightly backups of all databases on the server.
You need to develop a deployment strategy that meets the following requirements:
Deploys only the packages that have been modified.
Includes all packages in the current backup strategy.
What should you do?

A. Use the Package Installation Wizard to deploy packages to SQL Server.
B. Use the Package Installation Wizard to deploy packages to the file system.
C. Create a reusable deployment script by using dtutil.exe to deploy packages to the msdb database.
D. Create a reusable deployment script by using dtutil.exe to deploy packages to the SSIS Package Store.

Answer: C

Question: 73.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You have created an extract, transform, and load (ETL) solution by using SQL Server 2008 Integration Services (SSIS).
The solution contains 10 child packages and a parent package that executes the child packages in sequence.
You plan to deploy the solution to 20 locations that are not connected to each other.
You need to deploy the solution by configuring the connection managers of all packages with the appropriate settings.
You need to achieve this goal by using the minimum amount of administrative effort.
What should you do?

A. Create an XML configuration file each for the parent package and the child packages.
B. Create an XML configuration file for the parent package. Configure the child packages by using Parent package variables.
C. Create a SQL Server configuration each for the parent package and the child packages in a central SQL Server 2008 database.
D. Create a SQL Server configuration for the parent package in a central SQL Server 2008 database. Configure the child packages by using Parent package variables.

Answer: B

Question: 74.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You develop 10 SQL Server 2008 Integration Services (SSIS) packages. You plan to include package configuration for all the packages.
The package configuration has the following requirements:
All configurations are stored in a single location.
Configuration variables are easily backed up and restored.
Indirect configuration is used.
The database administrators will use SQL Server client tools to change the configuration values.
You need to create package configurations for the packages to meet the configuration requirements.
What should you do?

A. Store all configuration information in a SQL Server table.
Specify configuration database connectivity settings in an environment variable.
B. Store all configuration information in a SQL Server table.
Specify configuration database connectivity settings in the SQL Server table.
C.Use XML configuration files for all packages.
Store each XML configuration file in a common folder.
Specify the XML configuration file location in an environment variable.
D. Use XML configuration files for all packages.
Store each XML configuration file in a common folder.
Specify the XML configuration file location in the configuration settings.

Answer: A

Question: 75.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You plan to design a logging strategy for all SQL Server 2008 Integration Services (SSIS) packages for your company.
You want to log errors that occur in all existing and future packages to a SQL Server 2008 table.
You need to design the strategy to meet the following requirements:
The logging mechanism must be reused by each package.
Changes to the logging mechanism must be applied to all packages by using the minimum amount of administrative effort. What should you do?

A. Enable and configure logging in a package.
Create all other packages by using the first package as the template.
B. Create an event handler in a package.
Configure the event handler to perform logging.
Create all other packages by using the first package as the template.
C.Enable and configure logging in a package.
Save the log settings to an XML file.
Enable logging in all other packages.
Load the log settings on each package by using the XML file.
D. Create an event handler in a package.
Configure the event handler to perform logging.
Enable package configurations in the package.
Store the properties of the event handler in an XML configuration file.
Configure all the packages to use the configuration file during execution.

Answer: C

Question: 76.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You plan to design a logging strategy for a SQL Server 2008 Integration Services (SSIS) solution.
The SSIS solution contains 15 packages. You want to log detailed information about each package.
You need to ensure that custom events specific to each control flow task in each package are logged.
What should you do?

A. Configure logging for each control flow task in each package for the required events.
B. Enable the Log Events window in Business Intelligence Development Studio (BIDS) that has the SSIS solution loaded.
C. Enable event handling for each control flow task in each package for the required events. Create custom code to perform the logging by using a Script component.
D. Create a custom assembly that writes to the log, and use the assembly in a Script task. Ensure that the Script task is connected to the appropriate control flow task by using a Failure precedence constraint.

Answer: A

Question: 77.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You create a SQL Server 2008 Analysis Services (SSAS) solution by using SQL Server 2008.
The solution contains a dimension named DimProduct. The DimProduct dimension contains attributes named Product, Color, Sub-Category, and Category. The Product attribute is the key attribute for DimProduct.
A sample data set of the solution is as shown in the following table.

Product	Color	Sub-Category	Category
A001	Blue	Jeans	Clothing
A002	Red	Jeans	Clothing
A003	Yellow	Couch	Furniture
A004	Red	T-shirt	Clothing
A005	Black	Chair	Furniture

You discover that the DimProduct dimension has performance issues.
You need to design attribute relationships on the DimProduct dimension for optimal performance.
Which set of relationships should you use?

A.

Source Attribute	Related Attribute
Product	Color
Product	Category
Product	Sub-Category

B.

Source Attribute	Related Attribute
Product	Color
Product	Sub-Category
Sub-Category	Category

C.

Source Attribute	Related Attribute
Product	Color
Color	Sub-Category
Sub-Category	Category

D.

Source Attribute	Related Attribute
Product	Color
Product	Category
Product	Sub-Category
Sub-Category	Category

Answer: B

Question: 78.

You design a SQL Server 2008 Analysis Services (SSAS) solution.
The solution has dimensions named Account and Scenario. The Scenario dimension has the keys numbered 1 and 2 for the members named Actual and Budget, respectively. The Account dimension has the key numbered 40 for the member named Income.
You create a key performance indicator (KPI) named Net Income that has the following parameters:
KPI Value: ([Account].[Accounts].&[40], [Scenario].[Scenario].&[1], [Measures].[Amount])
KPI Goal: ([Account].[Accounts].&[40], [Scenario].[Scenario].&[2], [Measures].[Amount])
If the net income is less than 70 percent of the budgeted value, the performance is considered as bad. If the net income is greater than or equal to 90 percent of the budgeted value, the performance is considered as good. You need to calculate the performance at a specific point in time.
What should you do?

A. Set the Trend expression in the KPI to the following code segment:

```
Case
 When KpiValue( "Net Income" ) / KpiGoal( "Net Income" ) >= .90
 Then 1
 When KpiValue( "Net Income" ) / KpiGoal( "Net Income" ) < .90
  And
  KpiValue( "Net Income" ) / KpiGoal( "Net Income" ) >= .70
 Then 0
 Else -1
End
```

B. Set the Trend expression in the KPI to the following code segment:

```
Case
 When KpiGoal( "Net Income" ) / KpiValue( "Net Income" ) >= .90
 Then 1
 When KpiGoal( "Net Income" ) / KpiValue( "Net Income" ) < .90
  And
  KpiGoal( "Net Income" ) / KpiValue( "Net Income" ) >= .70
 Then 0
 Else -1
End
```

C. Set the Status expression in the KPI to the following code segment:

```
Case
 When KpiValue( "Net Income" ) / KpiGoal( "Net Income" ) >= .90
```

```
 Then 1
 When KpiValue( "Net Income" ) / KpiGoal( "Net Income" ) < .90
  And
  KpiValue( "Net Income" ) / KpiGoal( "Net Income" ) >= .70
 Then 0
 Else -1
End
```

D. Set the Status expression in the KPI to the following code segment:

```
Case
 When KpiGoal( "Net Income" ) / KpiValue( "Net Income" ) >= .90
 Then 1
 When KpiGoal( "Net Income" ) / KpiValue( "Net Income" ) < .90
  And
  KpiGoal( "Net Income" ) / KpiValue( "Net Income" ) >= .70
 Then 0
 Else -1
End
```

Answer: C

Question: 79.

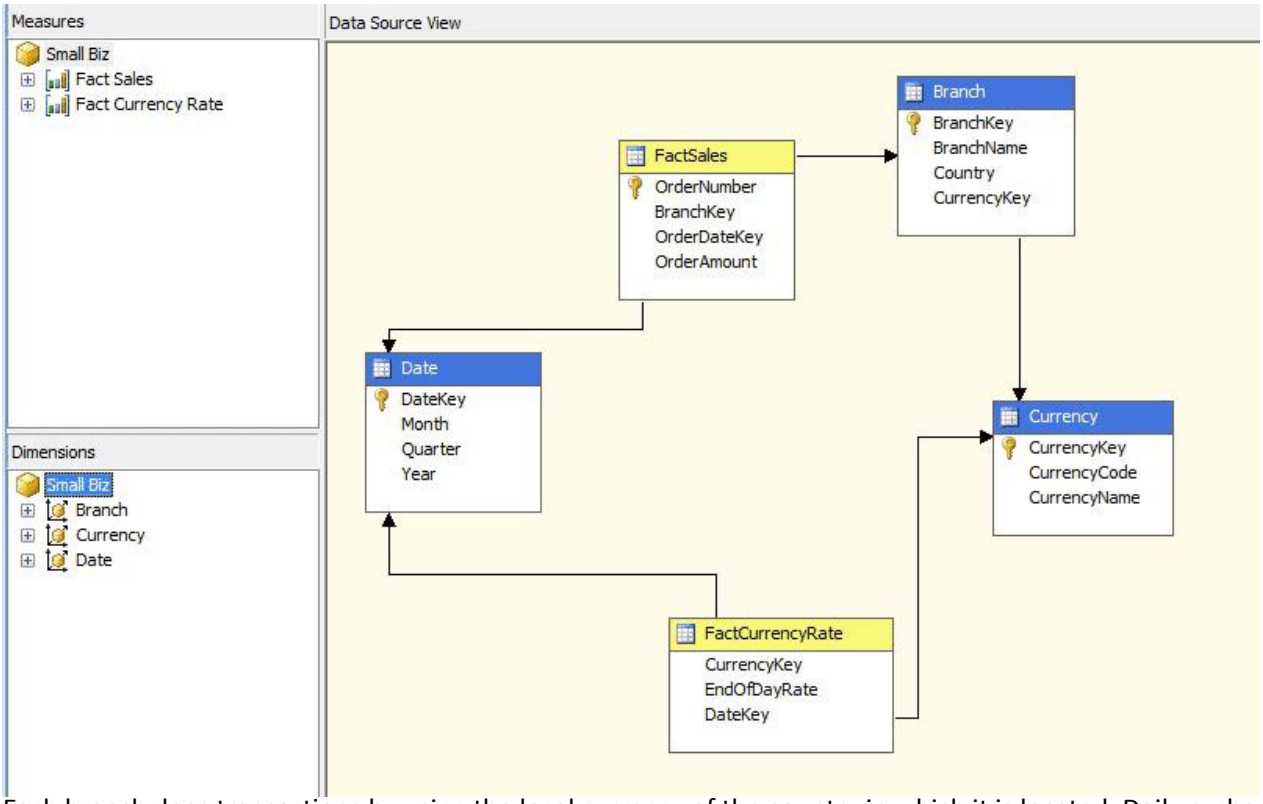
You design a SQL Server 2008 Analysis Services (SSAS) solution that contains a cube.
The solution has a measure group that contains different measures aggregated by different dimensions. Users often browse the cube by using Microsoft Excel.
You need to enable users to view additional row-level information of the aggregated measures from Excel by using the minimum amount of development effort.
Which Action should you create?

A. DataSet
B. Statement
C. Proprietary
D. Drillthrough

Answer: D

Question: 80.

You design a SQL Server 2008 Analysis Services (SSAS) solution. Your solution has a cube. The structure of the cube is as shown in the exhibit. (Click the Exhibit button.)



Each branch does transactions by using the local currency of the country in which it is located. Daily exchange rates for all local currencies are recorded against the U.S. dollar in the FactCurrencyRate measure group.
All transactions must be reported in U.S. dollars.
You need to prepare the cube to define currency conversion.
What should you do?

A. Create a reference relationship between FactSales and Currency.
B. Create a reference relationship between FactCurrencyRate and Branch.
C. Create a many-to-many relationship between FactSales and Currency.
D. Create a many-to-many relationship between FactCurrencyRate and Branch.

Answer: A

Question: 81.

You design a SQL Server 2008 Analysis Services (SSAS) solution that contains a cube. The cube uses an English (EN-US) locale.
The cube has calculated members that use the members named Day of Week and Month Name of a dimension named Date to perform date-related operations.
You implement translation in Spanish for the cube. You discover that the calculated members are not working correctly only when the cube is browsed in Spanish.
You need to ensure that the calculated members work correctly when the cube is browsed in Spanish.
What should you do?

A. Set the language property of the Date dimension to Spanish.
B. Set the case sensitive value to true for the collation property of the Date dimension.
C. Ensure that the Day of Week and Month Name members have translations defined in the Date dimension.
D. Change the calculated members to use the numeric values of the Day of Week and Month Name members.

Answer: D

Question: 82.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You design a SQL Server 2008 Analysis Services (SSAS) solution. Customer data is stored in the tables named CustomerDetails and CustomerContact.
The solution uses the following two data sources from two different servers:
Contoso that accesses the CustomerDetails table
ContosoCRM that accesses the CustomerContact table
You plan to create a dimension named DimCustomer to analyze customer data.
You need to ensure that the DimCustomer dimension represents the tables as a snowflake schema to include attributes from the two tables.
What should you do?

A. Create a data source view named DsvContoso that is associated with the two data sources and add the tables to the data source view.
B. Create a data source view named DsvContoso that is associated with the two data sources and create a named query in the data source view to merge the tables.
C. Create a data source view named DsvCustomer that is associated with the Contoso data source and add the CustomerDetails table to the data source view.
Create a data source view named DsvCustomerContact that is associated with the ContosoCRM data source and add the CustomerContact table to the data source view.
D. Create a data source view named DsvCustomer that is associated with the Contoso data source and create a named query in the data source view to select data from the CustomerDetails table.
Create a data source view named DsvCustomerContact that is associated with the ContosoCRM data source and create a named query in the data source view to select data from the CustomerContact table.

Answer: A

Question: 83.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You design a SQL Server 2008 Analysis Services (SSAS) solution by using SQL Server 2008. The solution uses a source database that contains a table named Customer. The Customer table has multiple columns.
You have read-only access to the database.
You plan to reduce the number of columns in the Customer table.
You need to split the Customer table to be distributed across multiple table definitions.
What should you do?

A. Create multiple data sources for the SSAS solution.
B. Create multiple named queries for the SSAS solution.
C. Create multiple data source views for the SSAS solution.
D. Create multiple database views for the source database.

Answer: B

Question: 84.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You create a SQL Server 2008 Analysis Services (SSAS) solution. Your database has a table named DimCustomer that contains columns named FirstName and LastName. You belong only to the db_datareader role in the database. You have added DimCustomer to a data source view.
You need to design a solution that includes the following requirements:
A column named FullName in DimCustomer by using the values from FirstName and Lastname
The data source view allows you to delete columns from DimCustomer
What should you do?

A. Implement a named calculation for FullName in the data source view.
B. Redesign DimCustomer to have a computed column named FullName.
C. Replace DimCustomer with a named query in the data source view. Create FullName as a column expression in the named query.
D. Implement a view in the database with FullName as a column expression. Replace DimCustomer with the view in the data source view.

Answer: C

Question: 85.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
A SQL Server 2008 Analysis Services (SSAS) solution contains a cube that has the following objects:
Dimensions named DimCustomer, DimProduct, and DimGeography
Measures named InternetSales and TotalSales
Users run reports against all dimensions and measures by authenticating with their Windows accounts.
You need to provide a basic view of data to the users to display only DimGeography, DimProduct, and TotalSales by using the least amount of storage space.
What should you do?

A. Create a new perspective for the current cube.
Select DimGeography, DimProduct, and TotalSales.
B.Create a new cube.
Add DimGeography, DimProduct, and TotalSales.
C. Create a new role.
Grant access only to DimGeography, DimProduct, and TotalSales.
D.Create a new data source view.
dd the tables used for DimGeography, DimProduct, and TotalSales.

Answer: A

Question: 86.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You create a SQL Server 2008 Analysis Services (SSAS) solution by using SQL Server 2008. The solution contains a dimension named DimCustomer that represents customers. The solution provides a list of top 10 customers based on the sales amount.
End users of the solution analyze data by using filters in Microsoft Excel worksheet.
You need to ensure that the list is updated when the filters are applied.
Which named set expression should you use?

A. CREATE SET CURRENTCUBE.[Top 10 Customer] AS
TOPCOUNT([DimCustomer].[Customer].MEMBERS,10,[Measures].[SalesAmount])
B. CREATE DYNAMIC SET CURRENTCUBE.[Top 10 Customer] AS
TOPCOUNT([DimCustomer].[Customer].MEMBERS,10,[Measures].[SalesAmount])
C. CREATE HIDDEN SET CURRENTCUBE.[Top 10 Customer] AS
TOPCOUNT([DimCustomer].[Customer].MEMBERS,10,[Measures].[SalesAmount])
D. CREATE SESSION SET CURRENTCUBE.[Top 10 Customer] AS
TOPCOUNT([DimCustomer].[Customer].MEMBERS,10,[Measures].[SalesAmount])

Answer: B

Question: 87.

You design a SQL Server 2008 Analysis Services (SSAS) solution.
Your solution has a date dimension named Date and measures named Sales Amount and Total Product Cost.
You want to create a calculated measure named Profit. You also want to calculate the differences between the first half and second half of the year for all the measures.
You run the following Multidimensional Expressions (MDX) query:

```
WITH
MEMBER [Measures].[Profit] AS
 ([Measures].[Sales Amount] - [Measures].[Total Product Cost])/[Measures].[Sales Amount], Format_String =
"Percent"
MEMBER [Date].[Fiscal Semester of Year].[Half Year Difference] AS
 [Date].[Fiscal Semester of Year].[FY H2] - [Date].[Fiscal Semester of Year].[FY H1]
SELECT
 { [Measures].[Sales Amount], [Measures].[Total Product Cost], [Measures].[Profit] } ON COLUMNS,
 { [Date].[Fiscal Semester of Year].[FY H1], [Date].[Fiscal Semester of Year].[FY H2],
  [Date].[Fiscal Semester of Year].[Half Year Difference]
 } ON ROWS
FROM [Adventure Works]
```

The Profit calculated measure calculates an incorrect value as shown in the exhibit. (Click the Exhibit button.)

	Sales Amount	Total Product Cost	Profit
FY H1	$56,984,686.76	$51,405,782.04	9.79%
FY H2	$52,824,587.44	$45,852,125.92	13.20%
Half Year Difference	($4,160,099.32)	($5,553,656.12)	-33.50%

You need to ensure that the MDX query calculates the correct value.
Which code segment should you use to replace the WITH clause in the MDX query?

A.
```
WITH
MEMBER [Measures].[Profit] AS
 ([Measures].[Sales Amount] - [Measures].[Total Product Cost])/[Measures].[Sales Amount],
  Format_String = "Percent", SOLVE_ORDER = 1
MEMBER [Date].[Fiscal Semester of Year].[Half Year Difference] AS
 [Date].[Fiscal Semester of Year].[FY H2] - [Date].[Fiscal Semester of Year].[FY H1],
  SOLVE_ORDER = 2
```

B.
```
WITH
MEMBER [Measures].[Profit] AS
 ([Measures].[Sales Amount] - [Measures].[Total Product Cost])/[Measures].[Sales Amount],
  Format_String = "Percent", SOLVE_ORDER = 2
MEMBER [Date].[Fiscal Semester of Year].[Half Year Difference] AS
```

```
 [Date].[Fiscal Semester of Year].[FY H2] - [Date].[Fiscal Semester of Year].[FY H1],
  SOLVE_ORDER = 1
C. WITH
MEMBER [Measures].[Profit] AS
 ([Measures].[Sales Amount] - [Measures].[Total Product Cost])/[Measures].[Sales Amount],
  Format_String = "Percent", SOLVE_ORDER = 1
MEMBER [Date].[Fiscal Semester of Year].[Half Year Difference] AS
 [Date].[Fiscal Semester of Year].[FY H2] - [Date].[Fiscal Semester of Year].[FY H1],
  SOLVE_ORDER = 2, SCOPE_ISOLATION = CUBE
D. WITH
MEMBER [Measures].[Profit] AS
 ([Measures].[Sales Amount] - [Measures].[Total Product Cost])/[Measures].[Sales Amount],
  Format_String = "Percent", SOLVE_ORDER = 1
MEMBER [Date].[Fiscal Semester of Year].[Half Year Difference] AS
 [Date].[Fiscal Semester of Year].[FY H2] - [Date].[Fiscal Semester of Year].[FY H1],
  SCOPE_ISOLATION = CUBE
```

Answer: A

Question: 88.

You design a SQL Server 2008 Analysis Services (SSAS) solution.
Your solution has a measure named Sales Amount and a dimension named Date. The Date dimension has a hierarchy named Fiscal that has levels named Fiscal Year, Fiscal Quarter, and Fiscal Month.
You need to create a calculated member to analyze the Sales Amount share percentage at different levels compared to the total sales for a given Fiscal Year.
Which code segment should you use?

```
A. Case
 When [Date].[Fiscal].CurrentMember.Level.Ordinal = 0
 Then 1
 Else
  [Measures].[Sales Amount]/([Measures].[Sales Amount],
   Ancestor([Date].[Fiscal].CurrentMember, [Date].[Fiscal].[Fiscal Year]))
End
B. Case
 When [Date].[Fiscal].CurrentMember.Level.Ordinal = 0
 Then 1
 Else
  [Measures].[Sales Amount]/([Measures].[Sales Amount],
   [Date].[Fiscal].CurrentMember.Parent)
End
C. Case
 When [Date].[Fiscal].CurrentMember.Level.Ordinal = 0
 Then 1
 Else
  [Measures].[Sales Amount]/([Measures].[Sales Amount],
   Descendants([Date].[Fiscal].CurrentMember,
    [Date].[Fiscal].[Fiscal Year], SELF_AND_AFTER))
End
D. Case
```

```
When [Date].[Fiscal].CurrentMember.Level.Ordinal = 0
Then 1
Else
  [Measures].[Sales Amount]/([Measures].[Sales Amount],
   [Date].[Fiscal].[Fiscal Year].CurrentMember)
End
```

Answer: A

Question: 89.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You create a SQL Server 2008 Analysis Services (SSAS) solution. The solution contains a cube that has a measure named SalesAmount. The measure contains customer sales data for the last six months.
The cube has a single partition that has the storage property set to real-time hybrid online analytical processing (HOLAP).
Queries against the cube must return current sales data that is entered one hour before cube processing. The partition takes two hours to process and the response time for the queries is slow.
You need to improve the cube processing and query response time.
What should you do?

A. Change the storage setting of the partition to multidimensional online analytical processing (MOLAP).
B. Change the storage setting of the partition to real-time relational online analytical processing (ROLAP).
C. Create a partition for each customer. Set the storage setting of every partition to low-latency multidimensional online analytical processing (MOLAP).
D. Create a partition for every month. Set the storage setting of the partition for the current month to low-latency multidimensional online analytical processing (MOLAP) and that of the other partitions to MOLAP.

Answer: D

Question: 90.

You design a Business Intelligence (BI) solution by using SQL Server 2008.
You create a SQL Server 2008 Analysis Services (SSAS) solution that has a dimension table named DimCustomer.
The DimCustomer table has the following attributes:
Gender
Address
Marital Status
Phone Number
You discover that DimCustomer takes a long time to process.
You need to reduce the processing time of DimCustomer. You also need to reduce the disk space required for the DimCustomer dimension table.
What should you do?

A. Set the ProcessingGroup property of DimCustomer to ByTable.
B. Set the ProcessingGroup property of DimCustomer to ByAttribute.
C. Set the AttributeHierarchyEnabled property of the Gender and Marital Status attributes to false.
D. Set the AttributeHierarchyEnabled property of the Phone Number and Address attributes to false.

Answer: D