Problem 2

MEASURES

Data Source	Measures	Aggregation Properties
Other Data Source: Sales Summary Table	Actual_Units	All are additive.
	Forecast_Units	
	Actual_Amount	
	Forecast_Amount	
Other Data Source: Cost Summary Table	Actual_Units	All are additive.
	Budget_Units	
	Actual_Labor_Cost	
	Budget_Labor_Cost	
	Actual_Material_Cost	
	Budget_Material_Cost	
	Actual_Machine_Cost	
	Budget_Machine_Cost	
	Actual_Overhead_Cost	
	Budget_Overhead_Cost	
Other Data Source: Leads Table	Success,	Success and Quote_Price are non
	Quote_Qty	additive.
	Quote_Price	Rest are all additive.
	Quote_Value	
ERP: Job Table	Unit_Price	Unit_Price is non additive.
	Quantity_Ordered	
	Quotation_Quantity	Rest are all additive.
	Quotation_Amount	
ERP: Sub Job Table	Cost_Labour	All additive
	Cost_Material	
	Cost_Overhead	
	Quantity_Produced	
	Sub_Job_Amount	
ERP: Invoice Table	Invoice_Amount	All additive
	Invoice_Quantity	
	Invoice_Shipped	
ERP: Shipment Table	Actual_Quantity	Quantity_Per_box non additive
	Requested_Quantity	Quantity_Per_Partial_Box Non
	Boxes	additive
	Quantity_Per_Box	Rest all are additive
	Quantity_Per_Partial_Box	
	Shipment_Amount	

Data Cubes:

Cube	Dimensions	Measures
Sales (Financial)	Time Location SalesClass	Actual_Units Forecast_Units Actual_Amount Forecast Amount
Cost (Financial)	Time, MachineType Location SalesClass	Actual_Units Budget_Units Actual_Labor_Cost Budget_Labor_Cost Actual_Material_Cost Budget_Material_Cost Actual_Machine_Cost Budget_Machine_Cost Budget_Mochine_Cost Actual_Overhead_Cost Budget_Overhead_Cost
Lead	Customer, Sales_Agent, Time Location SalesClass	Success, Quote_Qty Quote_Price Quote_Value
Job	Customer, Time ,Sales_Agent Location SalesClass	Unit_Price Quantity_Ordered Quotation_Quantity Quotation_Amount
SubJob	Customer MachineType, Time	Cost_Labour Cost_Material Cost_Overhead Quantity_Produced Sub_Job_Amount
Shipment	CustLocation, Time Location SalesClass	Actual_Quantity Requested_Quantity Boxes Quantity_Per_Box Quantity_Per_Partial_Box Shipment_Amount
Invoice	Customer, Time Location (from Customer)	Invoice_Amount Invoice_Quantity Invoice_Shipped