

## Solution to Module 4

3.

Table 6: Base Query Specifications

Measure	Dimension				
	Customer	Sales Class	Location	Machine Type	Sales Agent
Profit amount and margin	X	X	BQ2, BQ3	X	
Returns	X	BQ4	BQ4		
Shipping delays	X	BQ5, BQ6	BQ5, BQ6		
Revenue (job)	X	X	BQ1		X
Revenue (invoice)	X	X	BQ2		
Costs (subjob)		X	BQ3	X	
Ratio among types of costs		X	BQ3	X	
Gross margin	X	X	BQ2, BQ3	X	
Forecasting performance		X	X		
Budgeting performance		X	X	X	
Intra company sales		X	X		
Shared machine usage			X	X	
Lead success rate	X	X			X

Table 7: AWR Questions

Question No.	Question Detail
1	How is DB time measured in the AWR?
2	What is one dictionary table in the AWR? Identify the table name and at least three columns in the table.
3	What is the name of the Oracle view table used by the Active Session History (ASH) sampler?
4	Identify at least two dimension columns in the ASH fact table?

### Answers to AWR Questions

1. DB time calls by foreground sessions. Total time includes CPU time, I/O time, and non-idle wait time.
2. AWR data includes four tables, DBA\_Hist\_Snapshot, DBA\_Hist\_System\_Event, DBA\_Hist\_SQLStat, and DBA\_Hist\_Time\_Model. Columns are shown in diagram.
3. V\$ACTIVE\_SESSION\_HISTORY
4. Columns in the V\$ACTIVE\_SESSION\_HISTORY are SQL statement identifier, object number, file number, wait event number, session identifier, session serial number, module name, client identifier, and database time.

