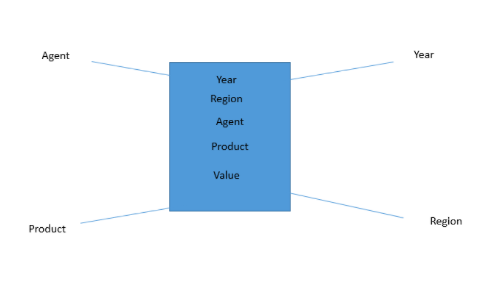
Chapter 13

2)

a. The fact table components are year, region, agent and product.

b. The dimension tables are also year, region, agent and product.

c.



d.

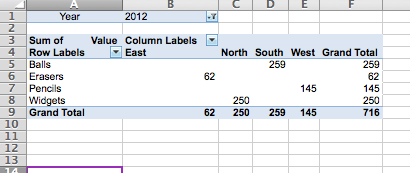
Year Dimension: Year\_ID

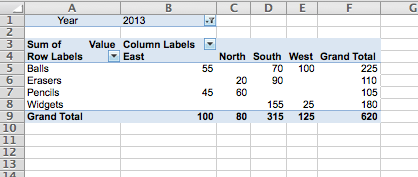
Region Dimension: Region\_ID, Region\_Name

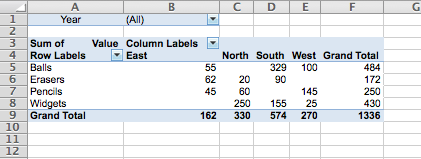
Agent Dimension: Agent\_ID, Agent\_Name

Product Dimension: Product\_ID, Product\_Description, Product\_Price

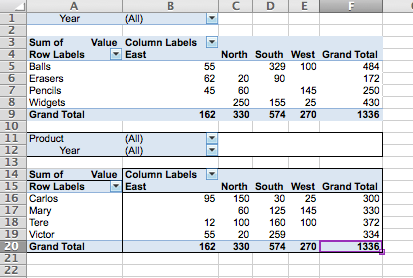
e.



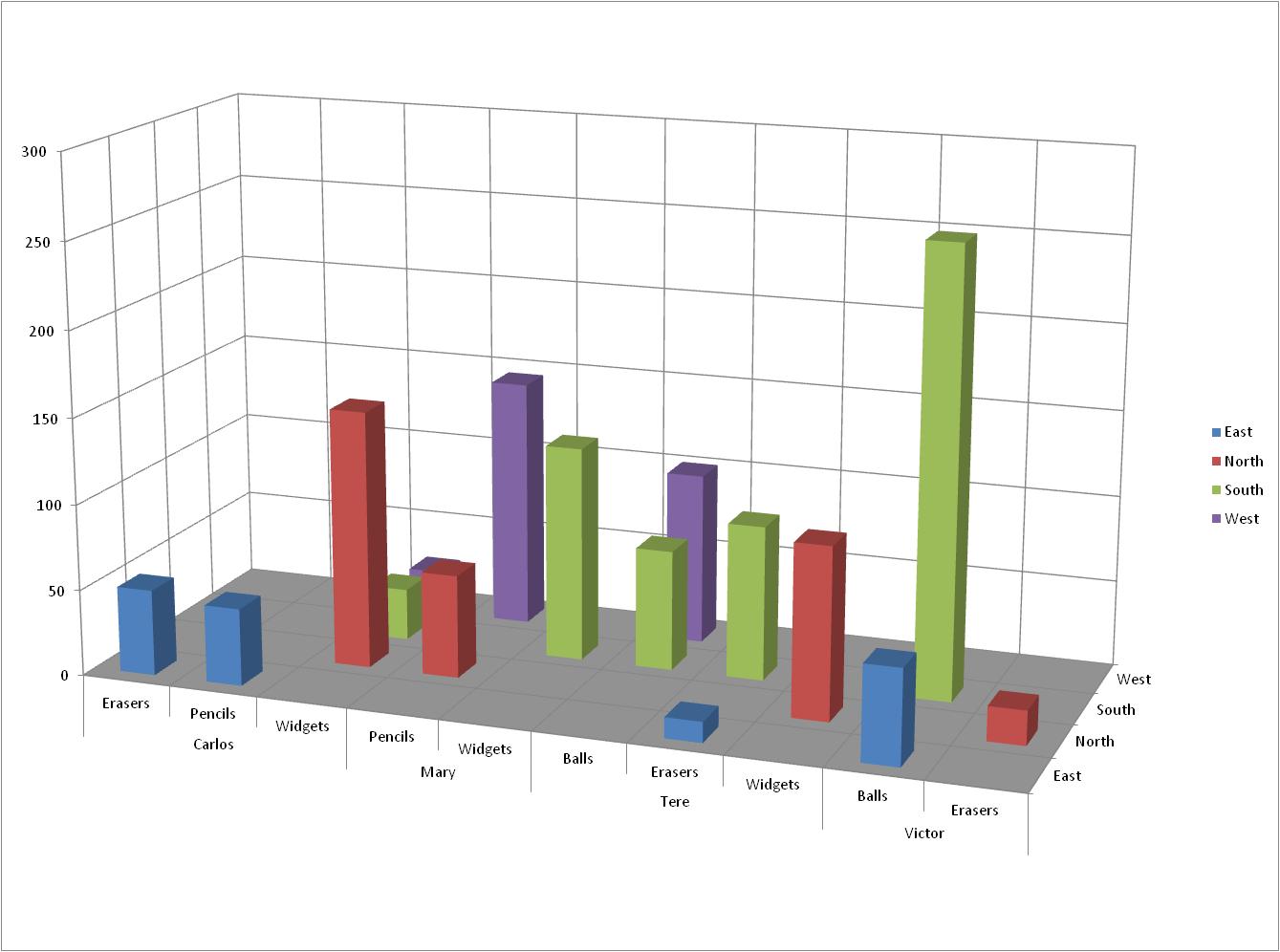




f.

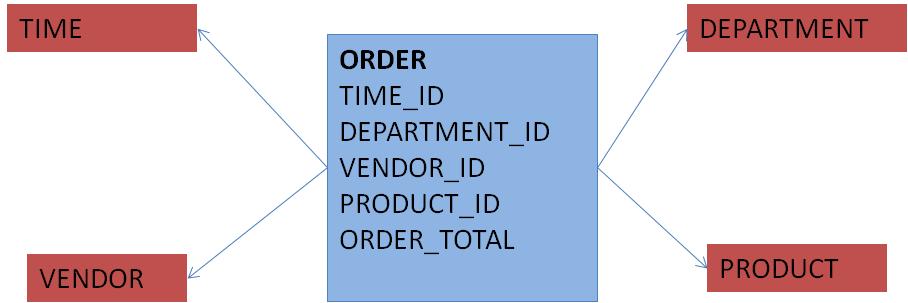


g.



3)

a.



b.

The dimensions are TIME, DEPARTMENT, VENDOR, and PRODUCT

5)

SELECT CUS\_CODE, P\_CODE, SUM(SALE\_UNITS\*SALE\_PRICE) AS TOTSALES

FROM DWDAYSALESFACT NATURAL JOIN DWPRODUCT NATURAL JOIN DWCUSTOMER

GROUP BY ROLLUP (CUS\_CODE, P\_CODE)

ORDER BY CUS\_CODE, P\_CODE;

6)

SELECT CUS\_CODE, TM\_MONTH, P\_CODE, SUM(SALE\_UNITS\*SALE\_PRICE) AS TOTSALES

FROM DWDAYSALESFACT NATURAL JOIN DWTIME NATURAL JOIN DWPRODUCT NATURAL JOIN DWCUSTOMER

GROUP BY ROLLUP (CUS\_CODE, TM\_MONTH, P\_CODE)

ORDER BY CUS\_CODE, TM\_MONTH, P\_CODE;