/\* Question 1 \*/

SELECT TO\_CHAR(DATE\_TRUNC('month',date),'YYYY-MM') AS month

, COUNT(date) AS sales\_count

FROM sales

GROUP BY 1

ORDER BY 1;

/\* Question 2 \*/

SELECT COUNT(date) AS sales\_count

FROM sales

WHERE TO\_CHAR(DATE\_TRUNC('day',date),'YYYY-MM-DD') = '2014-07-04'

ORDER BY 1;

/\* Question 3 \*/

SELECT TO\_CHAR(DATE\_TRUNC('day',date),'YYYY-MM-DD') as day

, COUNT(date) AS sales\_count

FROM sales

WHERE TO\_CHAR(DATE\_TRUNC('day',date),'YYYY-MM-DD') BETWEEN '2014-05-31' AND '2014-09-02'

GROUP BY 1

ORDER BY 1;

/\* Question 3 \*/

SELECT COUNT(date) AS sales\_count

FROM sales

WHERE TO\_CHAR(DATE\_TRUNC('day',date),'YYYY-MM-DD') BETWEEN '2014-05-26' AND '2014-09-01';

/\* Question 4 \*/

SELECT county, TO\_CHAR(DATE\_TRUNC('month',date),'YYYY-MM-DD'),

COUNT(date) AS sales\_count

FROM sales

WHERE

(date BETWEEN '2014-01-01' AND '2014-02-28' AND COUNTY = 'Black Hawk')

OR

(date BETWEEN '2014-07-01' AND '2014-08-31' AND COUNTY = 'Des Moines')

GROUP BY 1,2;

/\* Putting it all together activity \*/

SELECT store, item, ROUND(CAST((btl\_price-state\_btl\_cost)/btl\_price AS DEC) \* 100,2) AS IMP

FROM sales

ORDER BY 1

LIMIT 100;