select D.CALYEAR,D.CALQUARTER,C.NAME, count(*) as num_transactions, sum(I.EXTCOST) as tot_extcost

from date_dim D inner join inventory_fact I on D.DATEKEY = I.DATEKEY

inner join cust_vendor_dim C on C.CUSTVENDORKEY = I.CUSTVENDORKEY

where (D.CALYEAR = 2011 or D.CALYEAR = 2012) and I.TRANSTYPEKEY = 5

group by grouping sets(C.NAME,ROLLUP(D.CALYEAR,D.CALQUARTER))

ORDER BY C.NAME,D.CALYEAR,D.CALQUARTER;

	CALYEAR	CALQUARTER	NAME	NUM_TRANSACTIONS	TOT_EXTCOST
1	(null)	(null)	Customer 1	423	42393994
2	(null)	(null)	Customer 10	414	42520307
3	(null)	(null)	Customer 11	409	41391699
4	(null)	(null)	Customer 12	438	42977058
5	(null)	(null)	Customer 13	426	40359132
6	(null)	(null)	Customer 14	408	38687623
7	(null)	(null)	Customer 15	401	40643264
8	(null)	(null)	Customer 16	389	38518020
9	(null)	(null)	Customer 17	419	41631311
10	(null)	(null)	Customer 18	457	44471146