

## Problem 7 Solution

**Query 7: Ratio to report applied to a partition****Solution:**

```

SELECT d.Calyear, m.Seconditemid, SUM (Extcost) AS SumExtCost,

        RATIO_TO_REPORT (SUM (ExtCost)) OVER (PARTITION BY d.Calyear) AS

SumExtCostRatio

FROM Inventory_fact i, Item_master_dim m, date_dim d

WHERE i.itemmasterkey = m.itemmasterkey

AND i.datekey = d.datekey

AND i.transtypekey = 1

GROUP BY d.Calyear, m.Seconditemid

ORDER BY d.Calyear ASC, SUM (ExtCost) DESC;

```

Script Output x			
Task completed in 0.007 seconds			
CALYEAR	SECONDDITEMID	SUMEXTCOST	SUMEXTCOSTRATIO
2011	Second Part 20	1809863	0.08388532277
2011	Second Part 10	1547769	0.07173753049
2011	Second Part 4	1432612	0.0664001198
2011	Second Part 18	1428655	0.06621671685
2011	Second Part 3	1412170	0.06545265374
2011	Second Part 11	1390063	0.06442801661
2011	Second Part 9	1294296	0.05998931285
2011	Second Part 15	1161102	0.05381590543
2011	Second Part 12	1139753	0.05282640083
2011	Second Part 6	1104316	0.05118393166
2011	Second Part 14	1102972	0.05112163861
2011	Second Part 19	1024749	0.04749608154
2011	Second Part 13	1001231	0.04640604598
2011	Second Part 17	941992	0.04366037814