# 10 – Data Warehousing

**(Q1)** Fill out the blanks in the following crosstab, summarizing total sales amounts for blue, red, and green cars in June, July, August, and September 2017, from a fictional car dealership.

|  | June | July | August | September | All months |
|---|---|---|---|---|---|
| Blue | 10 |  |  | 15 | 45 |
| Red |  | 15 |  | 20 | 65 |
| Green |  | 5 | 5 |  |  |
| All colors | 30 | 30 | 30 | 45 | 135 |

Assume the following data cube and that we perform a roll-up operation on item-name and then a slice operation with the condition size=medium. Which of the following questions can be answered with the resulting sub-cube?

    (a) Number of dresses sold in medium size **(Q2)**
    (b) Number of clothes items sold in medium size that are pastel in color **(Q3)**
    (c) Number of clothes items sold that are large size **(Q4)**