

a) Compute the weighted mean for the following data.

Purchase	Cost per Pound (\$)	Number of Pounds
1	3.00	1200
2	3.40	500
3	2.80	2750
4	2.90	1000
5	3.25	800

b) Suppose the mean of first group with 30 elements is 40 and the mean of the second group with 50 elements is 60. What is the combined mean?