

Unit 5: Quantitative Techniques for Business
Quartiles

RANGE 900 METRES, FIRE



The following data gives the spending patterns (taken from ABC Cards and Clubcards) of fifteen shoppers at Sainsbury and fifteen shoppers at Tesco.

Safeway		
£23	£56	£87
£19	£75	£54
£36	£63	£11
£105	£91	£102
£142	£23	£12

Tesco		
£51	£12	£83
£32	£46	£52
£27	£30	£80
£105	£97	£64
£46	£85	£121

1. What is the mean amount spent for Safeway, and what is the mean amount spent for Tesco?
2. What is the median amount spent at the two supermarkets?
3. What is the range of the data for the two supermarkets?
4. What are the lower and upper quartiles for the two supermarkets?
5. What is the quartile deviation for the two supermarkets?
6. Comment on your results.