

Median and Quartiles

Find the median, lower quartile, upper quartile and interquartile range for each of these sets of data.

- (a) 5, 7, 7, 8, 10, 12, 13
- (b) 18, 14, 20, 13, 17, 16, 16
- (c) 7, 4, 6, 7, 9, 5, 4, 8, 3, 10, 5
- (d) 3.5, 7.1, 2.7, 6.3, 4.9, 7.0, 3.7
- (e) 4, 2, 2, 3, 1, 5, 4, 4, 3, 6, 3
- (f) 6, 9, -2, 0, -3, 1, 6, 4, -5, 8, 3

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The number of goals scored in each of Bury United's last eleven matches is:

0, 2, 0, 1, 1, 4, 0, 2, 3, 1, 2

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8A	64	37	52	87	57
61	89	49	68	55	39

8B	71	92	63	83	81
62	55	48	84	90	73

- (a) By finding the median and interquartile range, compare the two sets of results.
- (b) The teacher of 8B has marked one question incorrectly, and all student marks in 8B go up by 1. How does this affect the median and interquartile range?

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