

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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The English test results for 11 students in each of classes 8A and 8B are shown below.

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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