Mode, Median and Range

Find the mode, median and range of each of these sets of data:

(a) 6, 8, 6, 5, 10

(b) 4, 7, 7, 2, 5, 6, 5

(c) 6.2, 4.9, 5.3, 5.1, 6.7

(d) $0, -3, 4, -2, -3, 2, 8$

(e) $7, 11, 10, 11$

(f) $12.5, 10.8, 11.7, 12.5$

(a) MODE = 6 MEDIAN = 6
RANGE = 5

(b) MODE = 5 AND 7 MEDIAN = 5
RANGE = 5

(c) MODE = NONE MEDIAN = 5.3
RANGE = 1.8

(d) MODE = −3 MEDIAN = 0
RANGE = 11

(e) MODE = 11 MEDIAN = 10.5
RANGE = 4

(f) MODE = 12.5 MEDIAN = 12.1
RANGE = 1.7

The ages of two five-a-side teams are recorded as:

Rovers: 27, 23, 32, 21, 23

United: 28, 27, 25, 29, 27

Compare the mode, median and range of the ages for each team.

ROVERS : MODE 23 MEDIAN 23
RANGE 11

UNITED : MODE 27 MEDIAN 27
RANGE 4

UNITED HAS A HIGHER MODE, HIGHER MEDIAN & SMALLER RANGE

The test scores of class A and class B are recorded as:

Class A: 19, 18, 12, 19, 17

20, 14, 19, 15, 16

Class B: 18, 15, 16, 11, 15

18, 14, 18, 17, 19

Compare the mode, median and range of the scores for each class.

CLASS A : MODE 19 MEDIAN 17.5
RANGE 8

CLASS B : MODE 18 MEDIAN 16.5
RANGE 8

CLASS A HAS A HIGHER MODE, HIGHER MEDIAN. RANGES ARE THE SAME

A set of four numbers has a range of 5 and a median of 6. Three of the numbers are 4, 5 and 9. Find the fourth number.

4 5 [7] 9

A set of five numbers has a mode of 7, a range of 6 and a median of 9. Three of the numbers are 7, 12 and 13. Find the remaining two numbers.

[7] [7] [9] 12 13