Mode, Range and Mean

MATHS·SCHOOL

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Name:

Find the mode(s) of each of these data sets:

a) 7, 10, 2, 7, 6

b) 1, 6, 11, 6, 10, 7

c) 5, 7, 1, 14, 7, 7

d) 2, 4, 6, 8, 8, 8, 5

e) 6, 4, 1, 2, 3, 1, 2, 1

f) 8, 12, 14, 9, 6, 9, 11

g) 18, 4, 7, 6, 24, 8, 17

h) 6, -6, 2, 3, -1, -6, -2

i) 11, 12, 1, 2, 3, 1, 21, 4, 1

j) 6, 12, 14, 6, 3, 14, 13, 11

k) 11, 8, 6, 5, 14, 3, 17, 1

l) 6, -6, 2, 2, -1, 6, -16, 6

Find the range of each of these data sets:

a) 14, 17, 19, 8, 9, 1, 5

b) 7, 16, 21, 10, 18, 14

c) 7, 12, 3, 5, 7, 6, 1, 2, 5

d) 1, 8, 11, 4, 2, 4, 5, 3, 7

e) 53, 24, 16, 35, 41, 17

f) 17, 12, 10, 6, 3, 2, 9

g) 17, 21, 15, 10, 16, 32

h) 7, 9, -3, 4, 6, 0, -1, 4

i) 2, -1, -8, -3, 6, 8, 4

j) -14, 6, -11, -17, -15, 21

Find the mean of each of these data sets.

a) 5, 7, 8, 4

b) 6, 2, 9, 3

c) 3, 8, 7, 5, 9, 4

d) 8, 4, 6, 13, 9

e) 3, 15, 2, 7, 11, 10

f) 61, 41, 27, 63, 71, 61, 26

g) 33, 76, 55, 32, 53, 33

h) 6.2, 5.1, 3.4, 9.2, 6.1

i) 1.2, 10.5, 6.1, 8.8, 4.2, 7.2, 3.5, 6.5

j) -9, 7, 4, 6, -1, -3, 5, -1

Exam question:

6 boys and 6 girls from a class run 100m.
The times taken, to the nearest second, for each girl are: 16, 14, 13, 15.5, 14.5, 17

The mean of the boys times is 15.5 seconds.

Gloria says that "on average, the girls in the class are faster than the boys."
Is she correct?