

ACTION

RESPONSE

Find the mean, mode, median and range for each data set:

- | | | |
|----------------------------------|----------------------------------|----------------------------|
| 1) 2, 4, 4, 7, 8 | 2) 6, 9, 10, 11, 11 | 3) 4, 6, 7, 8, 8, 9, 10 |
| 4) 7, 8, 4, 2, 7 | 5) 8, 1, 3, 4, 3, 7, 8 | 6) 5, 8, 2, 1, 1, 7, 8, 12 |
| 7) 5, 6, 3, 6, 4, 8, 2, 1, 1, 13 | 8) 4, 3, 7, 10, 3, 3, 2, 11, 12 | |
| 9) 23, 12, 15, 32, 17, 19, 2, 12 | 10) 2.1, 3.4, 3.5, 6.8, 3.7, 4.1 | |

Fluency



Reasoning



Six students weigh 45kg, 52kg, 45kg, 50kg, 60kg, 59kg.

If a new student weighing 51kg joins what will happen to the mean, mode, median and range?

Can you explain why some of the values change and others don't?

Problem Solving



Write down:

- 1) 5 numbers which have a mode of 6
- 2) 4 numbers with a mean of 8
- 3) 5 numbers with a median of 7 and range of 6
- 4) 6 numbers with a median of 5 and mean of 6
- 5) 8 numbers with median of 8, mode of 6, mean of 8.25



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