

Mathematics

# Median, Mode and Range

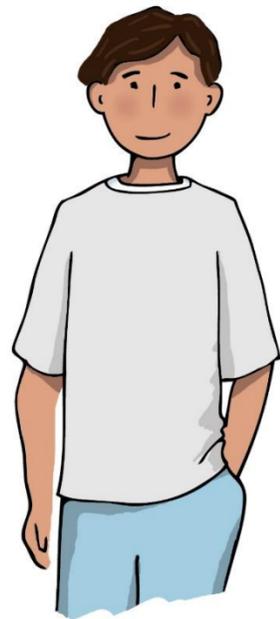
Mr Millar



# Connect

Zaki and Antoni are discussing the median of this set of data

**3, 7, 2, 5, 3, 2, 1**



The median is 5 because that's the middle number



No, you have to be careful, it's actually 3



# Independent task

For these sets of numbers, find the mean, mode, median and range

Mean

Mode

Median

Range

4, 5, 5, 6, 10

3, 1, 7, 5, 2

0, 0, 0, 3, 3, 3



# Explore

Here are 5 cards.



Can you complete the cards (in different ways) to get

- A median of 4
- A range of 4
- A mode of 4
- A mean of 3, a median of 4, a range of 4 AND a mode of 4?



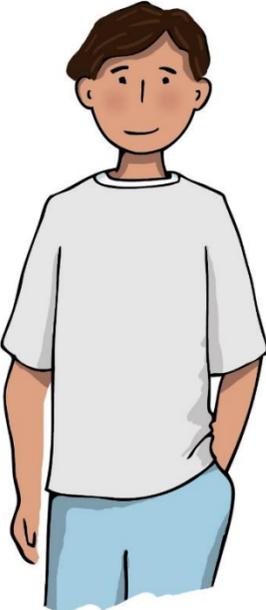
# Answers



# Connect

Zaki and Antoni are discussing the median of this set of data

**3, 7, 2, 5, 3, 2, 1**



The median is 5 because that's the middle number



No, you have to be careful, it's actually 3

You need to make sure the data is in size order:

1, 2, 2, 3, 5, 7.

The middle number is 3.



# Independent task

For these sets of numbers, find the mean, mode, median and range

	Mean	Mode	Median	Range
4, 5, 5, 6, 10	$30 \div 5 = 6$	5	5	6
3, 1, 7, 5, 2	$18 \div 5 = 3.6$	No mode	3	6
0, 0, 0, 3, 3, 3	$9 \div 6 = 1.5$	0 and 3	1.5	3



# Explore

Here are 5 cards.



Can you complete the cards (in different ways) to get

- A median of 4      Eg: 1,3,4,5,6
- A range of 4      Eg: 1,3,4,4,4
- A mode of 4      Eg: 1,4,4,4,6
- A mean of 3, a median of 4, a range of 4 AND a mode of 4?

Impossible!

