

Activity 4 Finding the Centres

Personal Tally

Name	Number of accurate kicks
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Class tally

How many people in the class got each number of accurate kicks?

0	1	2	3	4	5
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Write down the kicking score of each person, but keep them in increasing score order.

For example, if 3 people kicked 1 goal, write: 1, 1, 1

If 3 people kicked 0 goal and 2 people kicked 1 goal and 1 person kicked 2 goals, write: 0, 0, 0, 1, 1, 2

Find the mode

The mode is the most frequent or commonly occurring value in the dataset. To find the mode use the tally to work out how many people kicked 1 goal, 2 goals, 3 goals etc. The number of the goals with the highest tally is the mode as it is the most common value. Mode = ____ goals.

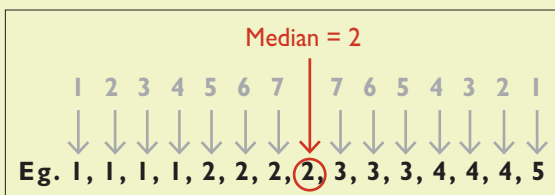
Find the median

The median is the middle score when the data is arranged from the lowest to highest scores.

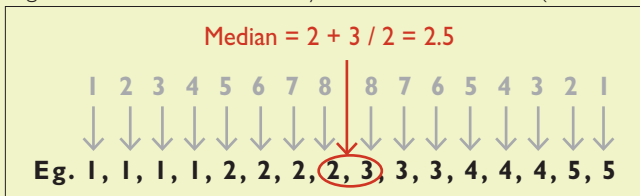
To find the median, order the scores from lowest to highest and count along the line to find the middle score.

There should be the same number of scores below and above the median score.

For a dataset with an odd number of scores, there will be one middle score (as shown below).



For a dataset with an even number of scores, there will be two scores in the middle. In this case, add them together and divide the total by 2 to find the median (as shown below).



Find the mean

The mean is the average score. To find the mean, add up all the scores to get the total, then divide the total by the number of the scores you have.

Total of all scores:

Divide the total by the number of scores (the number of scores you have is the number of people in your class).

Total	÷	Number of scores	=	Average score
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