MEAN, MEDIAN AND MODE APPLICATIONS X-FACTOR WINNER



Guy, Shannon and Yolngu are all contestants in the X-Factor competition.

The table below contains the number of votes each contestant received over 10 weeks. The votes are in thousands.

WEEKS	1	2	3	4	5	6	7	8	9	10
Guy	72	74	67	78	71	50	85	76	77	77
Shannon	71	72	72	73	74	75	72	76	77	77
Yolngu	80	82	73	77	500	40	56	70	90	90

Q1. Find the mean number of votes for each contestant.

Q2. Find the median number of votes for each contestant.

Q3. Find the mode for each contestant.

Q4. Which measure of central tendency – mean, median or mode – would be best suited to finding the competition winner?

ANSWERS

Q1,2,3. The votes are in thousands.

	Mean	Median	Mode	
Guy	72.7	75	77	
Shannon	73.9	73.5	72	
Yolngu	115.8	78.5	90	

Q4. When there is an outlier (e.g. Yolngu 500), the median is better.