. The following data give the distribution of heights of students:

Height (in cm)	160	150	152	161	156	154	155
Number of students	12	8	4	4	3	3	7

The median of the distribution is

(a) 154 (b) 155 (c) 160 (d) 161

(b) Arranging the data in ascending order of magnitude, we obtain

Height (in cm)	150	152	154	155	156	160	161
Number of students	8	4	3	7	3	12	4
Cumulative frequency	8	12	15	22	25	37	41

Here, the total number of items is 41, i.e., an odd number.

Hence, the median is $\frac{41+1}{2}$ th i.e., 21st item.

From cumulative frequency table, we find that the median, i.e. 21st item is 155.

(All items from 16th to 22nd are equal, each 155).