

A2.S.3: Calculate measures of central tendency with group frequency distributions

1. 060829a, P.I. A2.S.3

The accompanying table represents the number of cell phone minutes used for one week by 23 users.

Number of Minutes	Number of Users
71–80	10
61–70	7
51–60	2
41–50	3
31–40	1

Which interval contains the median?

- [A] 51–60 [B] 71–80
[C] 41–50 [D] 61–70

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2. 060507b, P.I. A2.S.3

What is the mean of the data in the accompanying table?

Scores (x_i)	Frequency (f_i)
25	3
20	2
11	5
10	4

- [A] 14.5 [B] 16 [C] 11 [D] 15

3. 010807b, P.I. A2.S.3

Mayken collected data about the size of the honors classes in her school building. This set of data is shown in the accompanying table.

Class Size	Frequency
8	1
10	3
14	2

Which statement about the range of this sample is true?

- [A] range > mean
[B] range < standard deviation
[C] range < mean [D] range = mean

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[1] D _____

[2] D _____

[3] C _____