

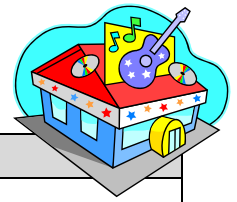
# Ibiza clubbers mean average and range

Name: \_\_\_\_\_ Date: \_\_\_\_\_



**Mean average:** add up all the data then divide the total by how many there are

**Range:** subtract the smallest data entry from the largest data entry



## Attendance of Ibiza clubbers over 5 days at 4 popular clubs.

Club	Days & Attendance Figures				
	Mon	Tue	Wed	Thu	Fri
Gatecrasher	163	177	155	125	160
Ministry of Sound	182	170	178	166	174
Manumission	150	167	162	163	178
Cream	165	163	187	175	200

Calculate the **Mean** Average attendance for each of the 4 **clubs**

Clubs	Gatecrasher	Ministry of Sound	Manumission	Cream
<b>Mean</b>				

Calculate the **Range** for each of the 4 **clubs**

Clubs	Gatecrasher	Ministry of Sound	Manumission	Cream
<b>Range</b>				

Calculate the **Mean** Average attendance for each of the 5 **days**

Clubs	Mon	Tue	Wed	Thu	Fri
<b>Mean</b>					

Calculate the **Range** for each of the 5 **days**

Clubs	Mon	Tue	Wed	Thu	Fri
<b>Range</b>					

**Comment on your results and give possible reasons for some of your answers.**

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# Ibiza clubbers mean average and range

## Answers

Table to show Number of Ibiza Clubbers over 5 days at 4 Popular Clubs

Club	Days & Attendance Figures				
	Mon	Tue	Wed	Thu	Fri
Gatecrasher	163	177	155	125	160
Ministry of Sound	182	170	178	166	174
Manumission	150	167	162	163	178
Cream	165	163	187	175	200

Calculate the **Mean** Average attendance for each of the **clubs**

Clubs	Gatecrasher	Ministry of Sound	Manumission	Cream
<b>Mean</b>	156	174	164	178

Calculate the **Range** of attendance for each of the **clubs**

Clubs	Gatecrasher	Ministry of Sound	Manumission	Cream
<b>Range</b>	52	16	28	37

Calculate the **Mean** Average attendance for each **day**

Clubs	Mon	Tue	Wed	Thu	Fri
<b>Mean</b>	165	169.25	170.5	157.25	178

Calculate the **Range** of attendance for each **day**

Clubs	Mon	Tue	Wed	Thu	Fri
<b>Range</b>	32	14	32	50	40

### Comments:

Encourage learners to discuss what their results tell them and suggest possible reasons.

Questions could include:

What's the most popular club (assuming they can all accommodate the same numbers of people).

Why?

Give some possible reasons why Cream has the largest range of attendance.

What's the least popular day? Why could this be?