

# Who, where and when?

## Who?

**One of the following four people has committed a crime. The criminal made 2 errors, the victim has made 1 error and the other two suspects have made 0 errors.**

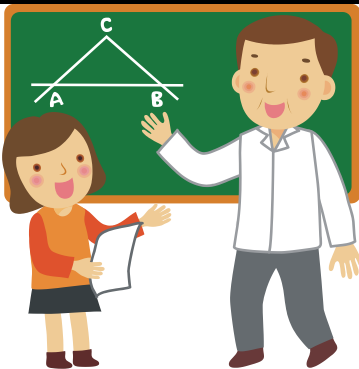
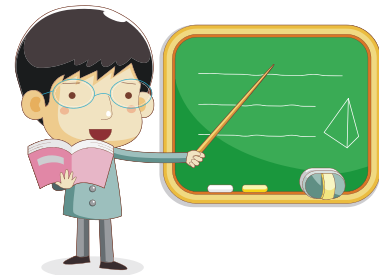


The ICT teacher said the frequency in histogram:

- "A" between 8 and 16 is 24.
- "C" between 0 and 5 is 4.
- "D" between 240 and 360 is 36.
- "B" between 20 and 30 PLUS the frequency between 30 and 40 is 25.

The history teacher said the frequency in histogram:

- "B" between 60 and 70 is 15.
- "A" between 16 and 20 is 10.
- "C" between 30 and 40 PLUS 40 and 45 is 20.
- "D" between 180 and 240 is 50.



The maths teacher said the frequency in histogram:

- "A" between 4 and 8 is 18.
- "D" between 60 and 150 is 18.
- "B" between 40 and 60 is 50.
- "C" between 15 and 30 is 24.

The PE teacher said the frequency in histogram:

- "D" between 150 and 180 is 66.
- "B" between 70 and 80 is 10.
- "C" between 40 and 45 is 5.
- "A" between 0 and 2 PLUS 2 and 4 is 21.



Now you need to work out where and when the crime was committed....

## Where?

The murder was committed at one of the locations below, but which one?  
It happened where ALL the frequency densities (FD) that have been calculated are correct.

<b>The maths classroom</b>	In table 1 between $0 < h \leq 2$ the FD = 3.5 In table 3 between $10 < t \leq 22$ the FD = 1.6 In table 2 between $40 < x \leq 45$ the FD = 12
<b>The dining hall</b>	In table 3 between $20 < t \leq 30$ the FD = 2.4 In table 4 between $60 < t \leq 150$ the FD = 0.2 In table 2 between $0 < x \leq 5$ the FD = 0.08
<b>The gym</b>	In table 1 between $2 < h \leq 4$ the FD = 7 In table 3 between $30 < t \leq 40$ the FD = 4.2 In table 2 between $15 < x \leq 30$ the FD = 16
<b>The playing fields</b>	In table 4 between $150 < t \leq 180$ the FD = 2.2 In table 1 between $8 < h \leq 16$ the FD = 3 In table 3 between $0 < t \leq 10$ the FD = 1

## When?

Find the day where all the **total frequencies** are correct:

<b>Monday</b>	If "A" = 73, Q1 = 86 and "B" = 90
<b>Tuesday</b>	If "B" = 100, "C" = 64 and "Q2" = 22
<b>Wednesday</b>	If "A" = 73, "C" = 64 and Q1 = 88
<b>Thursday</b>	If "D" = 180, "C" = 64 and Q2 = 23
<b>Friday</b>	If "C" = 64, "D" = 180 and "Q1" = 88

## The Accusation

<b>Who</b>	
<b>Where</b>	
<b>When</b>	

**YOU MUST COMPLETE QUESTIONS 1 AND 2 BEFORE HANDING IN YOUR  
ACCUSATION**