

# Mathematical Mystery: Coordinates

Somebody has taken Mrs Danby's collection of rulers! You must find out - Who is responsible for this crime? Where did the crime take place? When did the crime happen? Good luck!



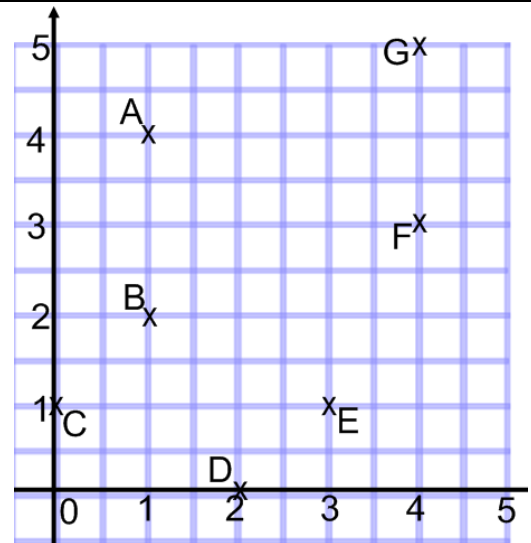
## Who?

One of the four characters below has stolen the rulers .

You must analyse the statements from each suspect.

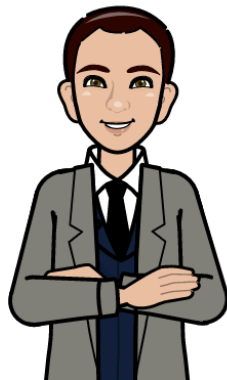
The 3 innocent teachers make at least 2 truthful statements.

The guilty person makes 3 errors.



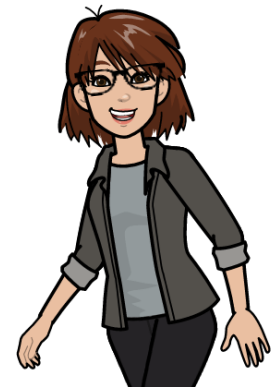
Mr Smith said the following

- A is (1,4)
- E is (3,1)
- The x coordinate of G is greater than the x coordinate for F
- A and B make a vertical line



Miss Ward-Gow said

- F is (3,4)
- C and E are on the same horizontal line
- The y coordinate of B is less than the y coordinate of A
- D is (0,2)



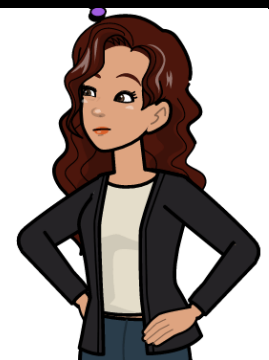
Miss Jones said the following

- G is (5,4)
- F is (4,3)
- C is (1,0)
- B is (2,1)



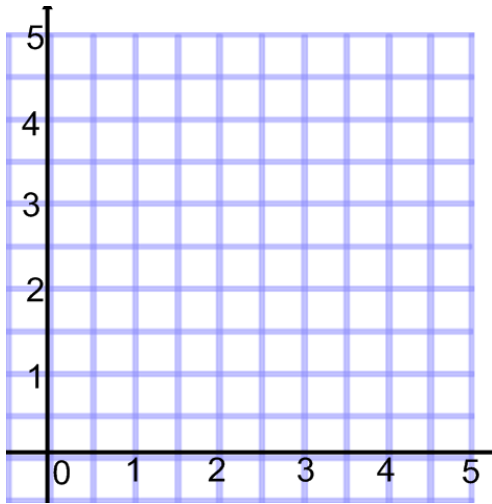
Mrs Koval-Meth said

- C is (1,0)
- A is (4,1)
- D is (2,0)
- C, B and G are on the same diagonal line



### Where?

The theft was committed within this grid. Following the clues below, you have to mark "x" at the right spot.



- The x and y coordinates add up to an even number
- The x coordinate is greater than the y coordinate
- Both numbers that make up the coordinate are odd
- The difference between the x and y coordinate is a square number

### When?

The time and day of the crime can be decoded from the grid below.

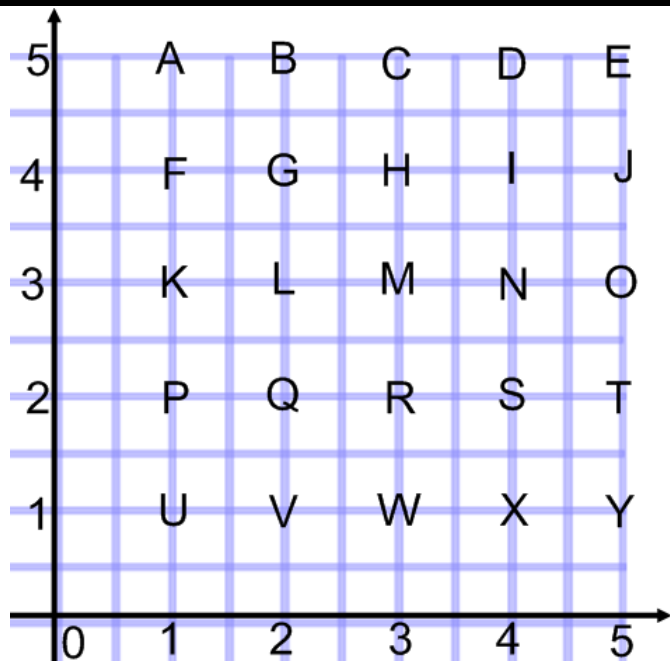
(2,2) (1,1) (1,5) (3,2) (5,2)

(5,5) (3,2) (5,2) (5,3) (4,2)

(4,4) (4,1) (1,2) (3,3)

(5,3) (4,3) (5,2) (1,1) (5,5)

(4,2) (4,5) (1,5) (5,1)



### Final Accusation

The criminal is

The coordinates for the location of the crime are ( , )

The time and day are