

Space and 3D Shape

Learning Objective:

To be able to read and record the language of position, direction and movement.



clockwise

left

right

anti-clockwise

column

horizontal

route

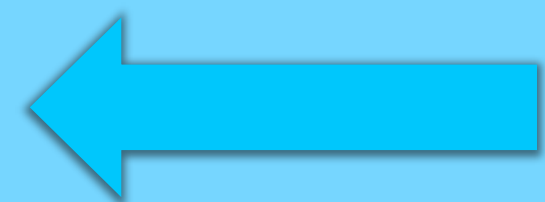
grid

row

vertical



Can you describe what
each of these words
means?



anti-clockwise



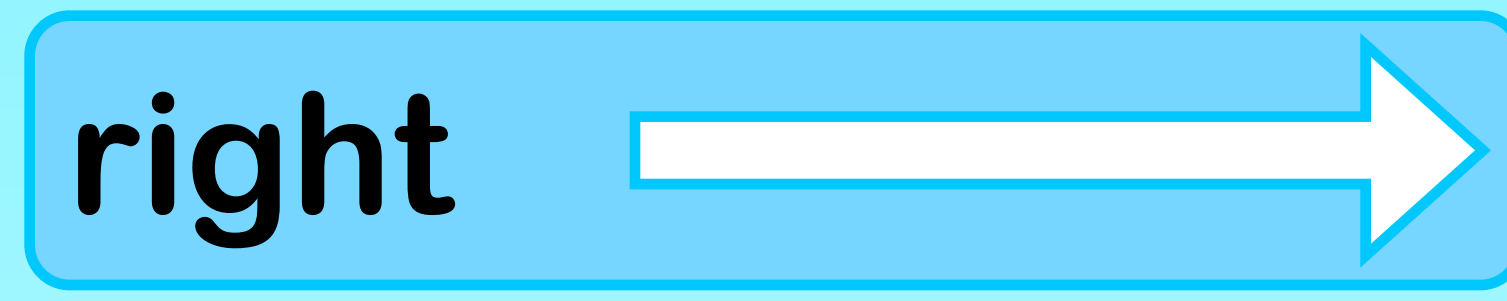
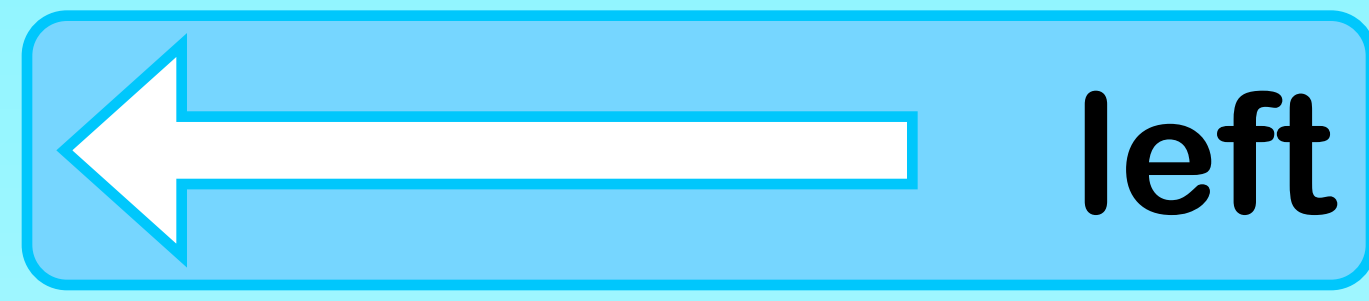
clockwise



Clockwise is the direction that the hands on a clock move around. Anti-clockwise is the opposite direction.

Try it! Can you turn clockwise? Can you turn anti-clockwise?



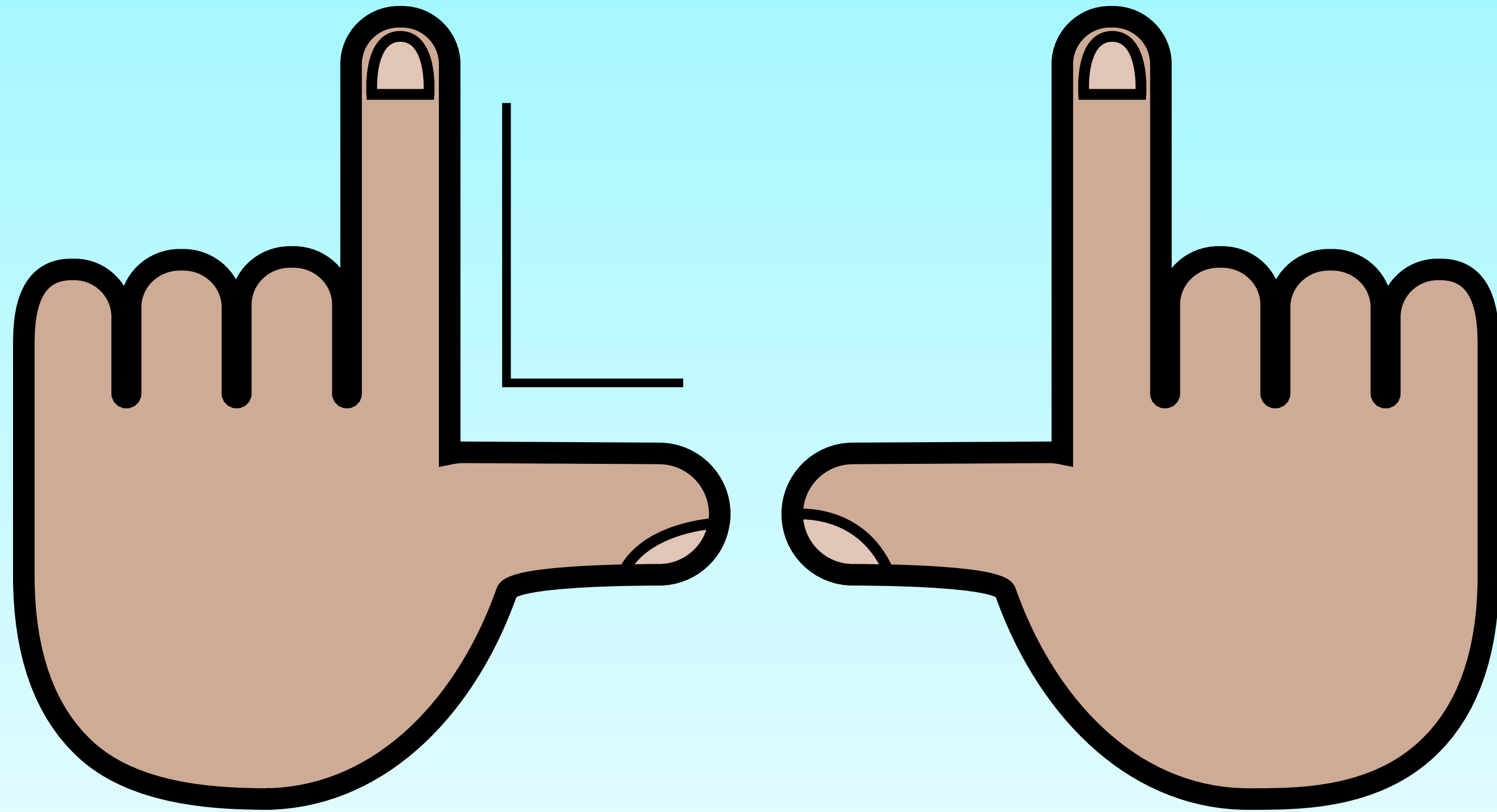
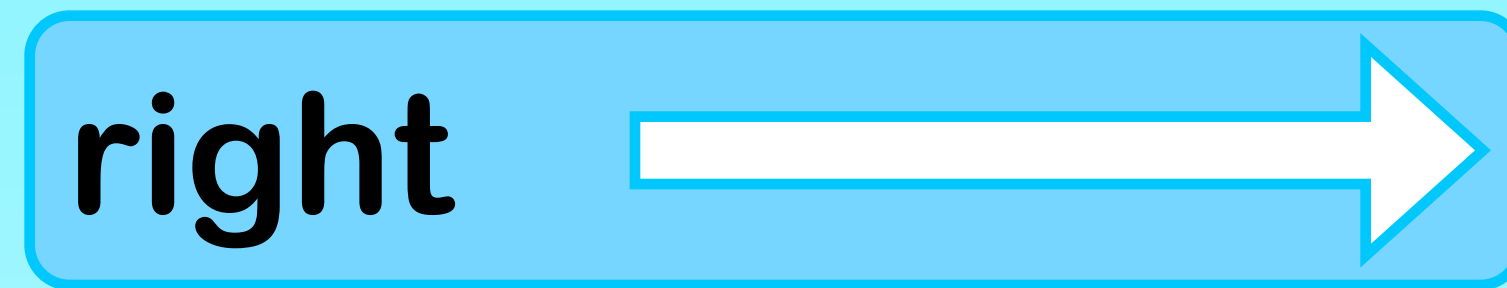
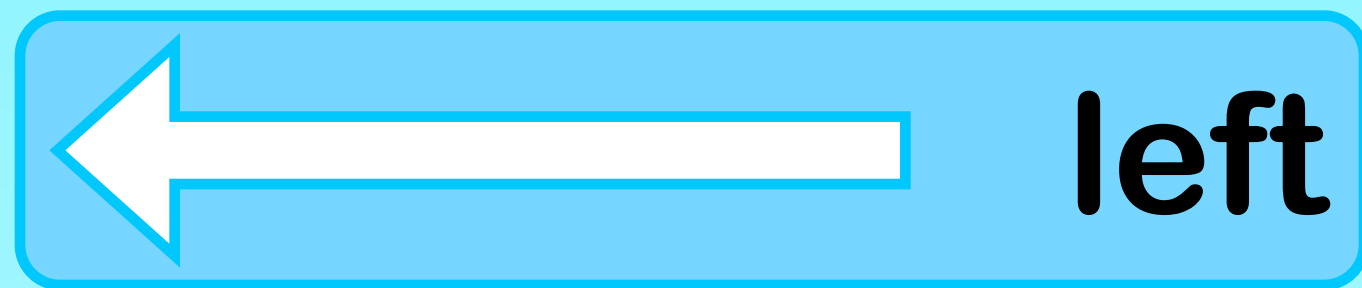


Left and right can be used to describe directions and sides.



Should I turn left or right at this junction?





You also have a left and a right hand. Hold your hands up like this. Can you see the 'L' shape? This is your left hand!



If you turn to your left, you are turning anti-clockwise. What way do you turn if you turn to your right?



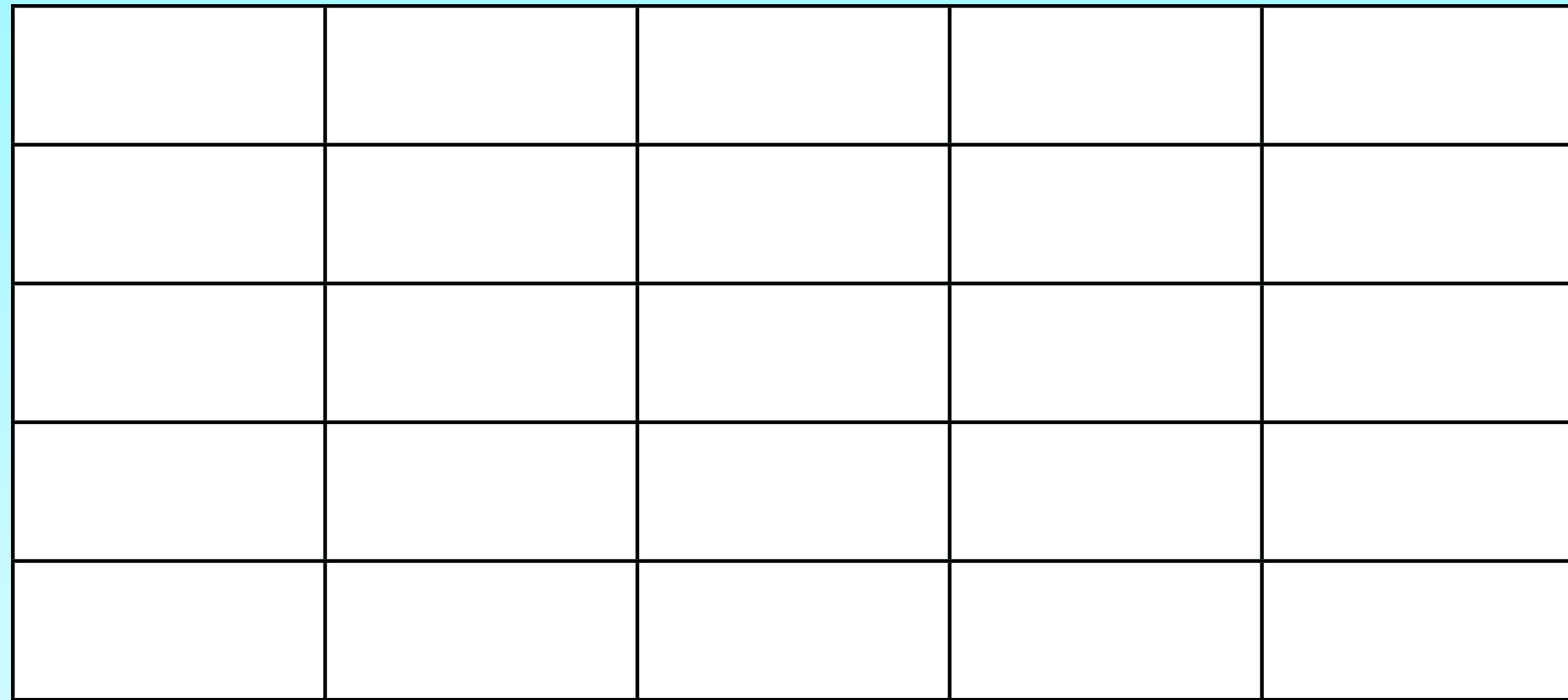
grid

column

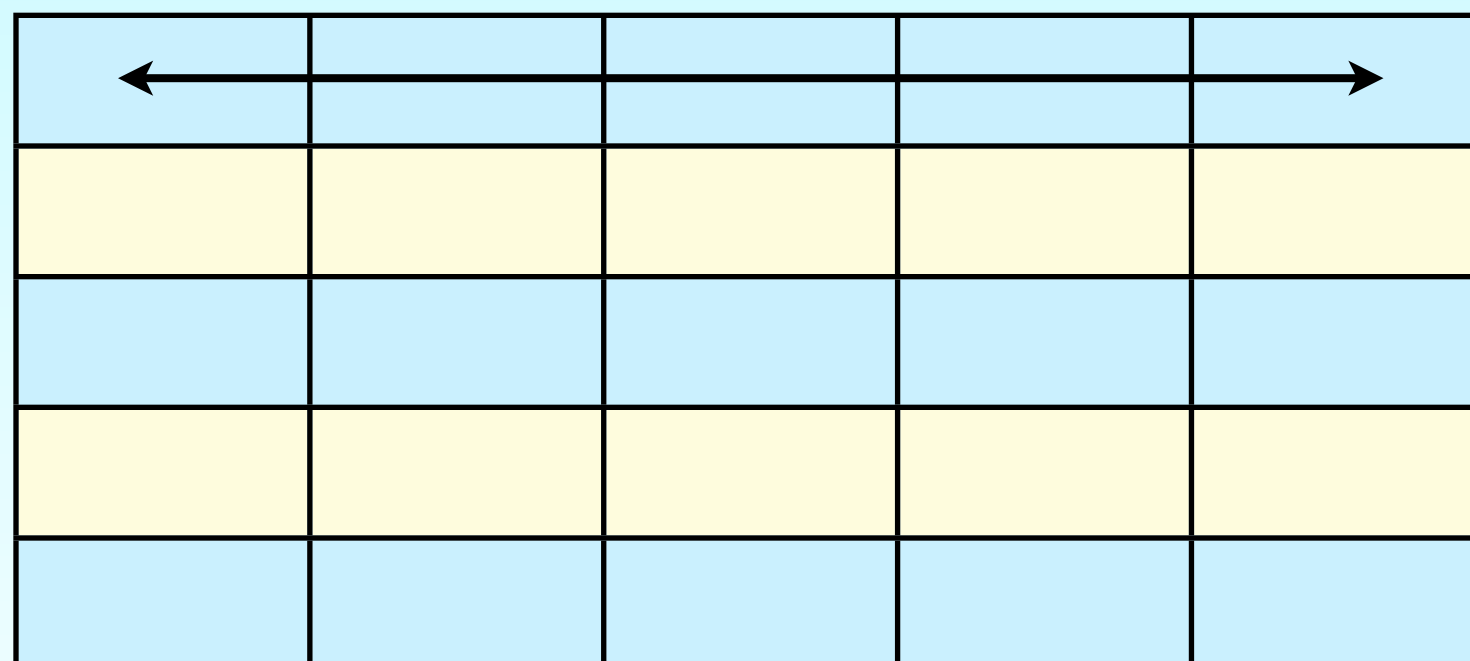
row

horizontal

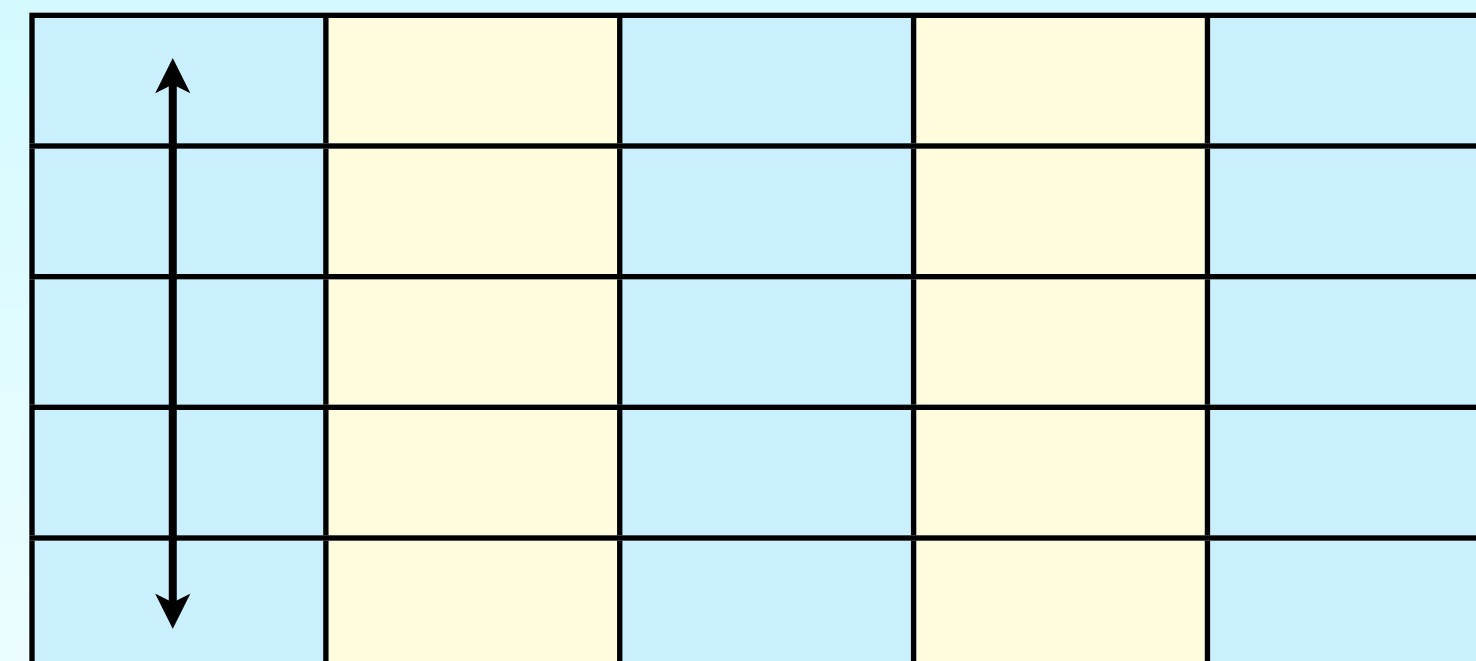
vertical



This is a grid. It is made up of rows which are horizontal and columns which are vertical.
Horizontal means it goes across from left to right. Vertical means it goes from bottom to top.

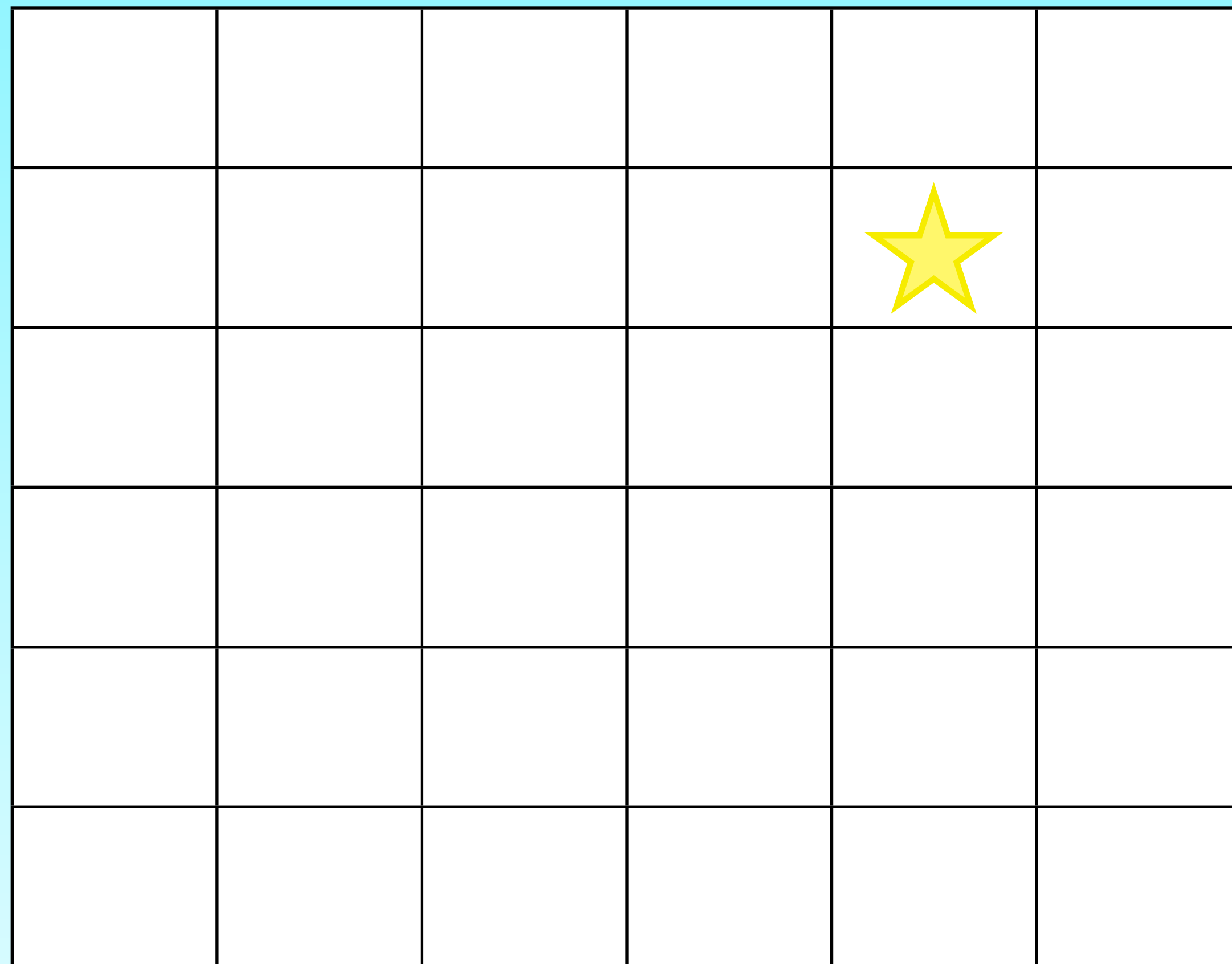


Horizontal rows



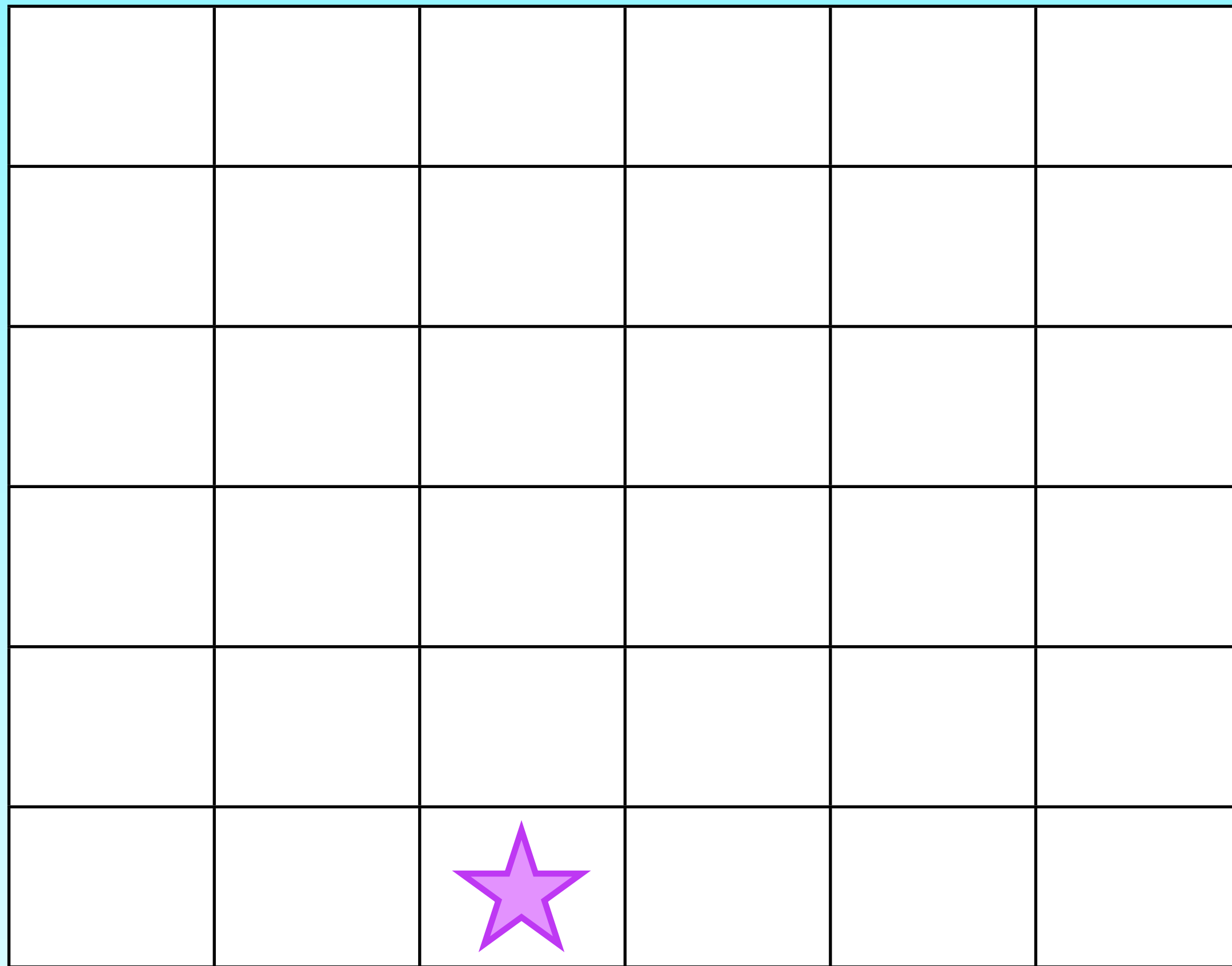
Vertical columns



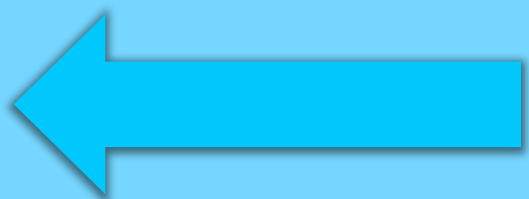


How would you describe where the star is on this grid?

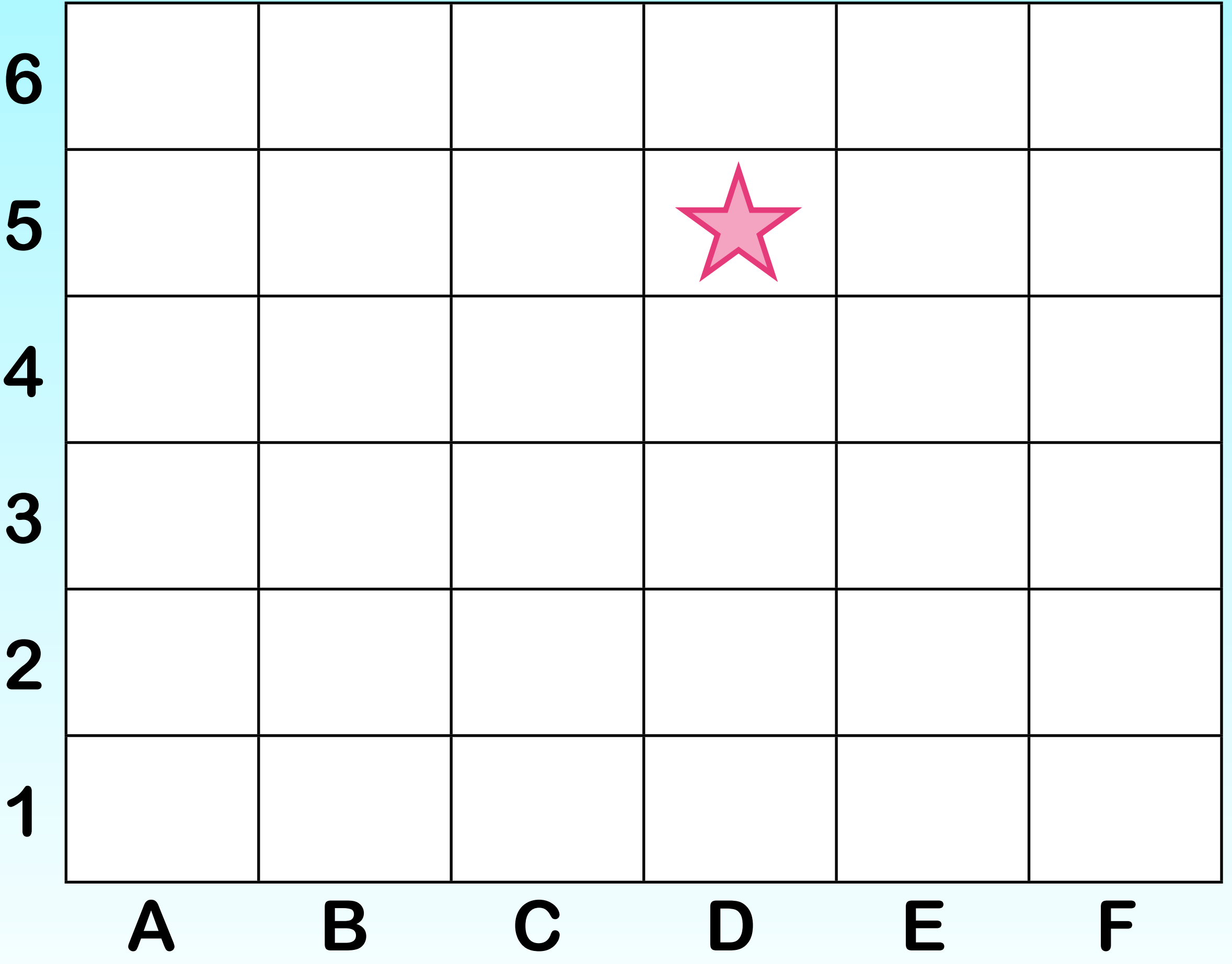




How would you describe where the star is on this grid?



If you label a grid with letters along the horizontal axis and numbers up the vertical axis, it makes it a lot easier to describe where an object is. For example, the star in this grid is in square D5. These are known as **co-ordinates**.

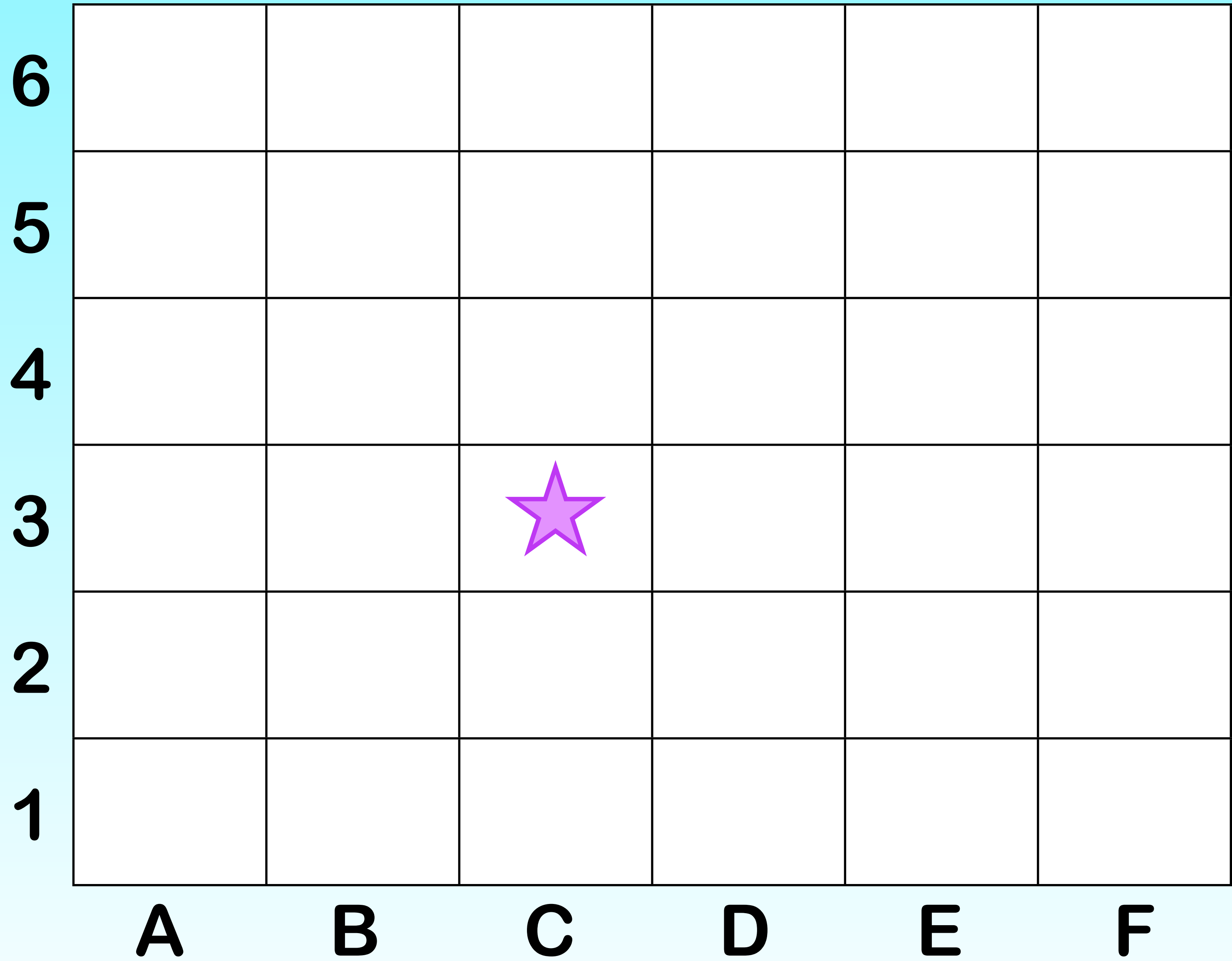


When you read co-ordinates, you always read the horizontal line first, then the vertical. Think of going along the corridor then up the stairs.

up the stairs

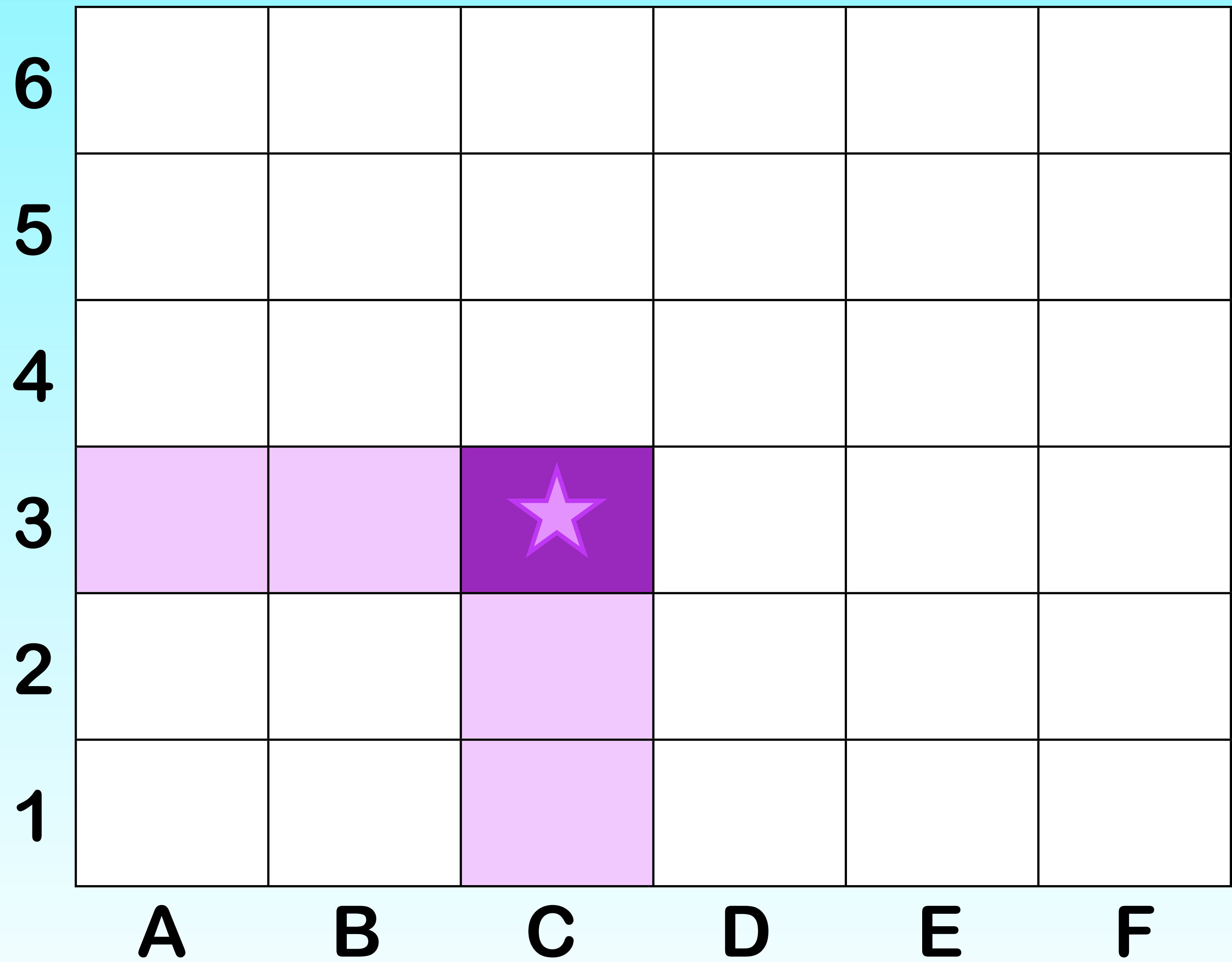
along the corridor





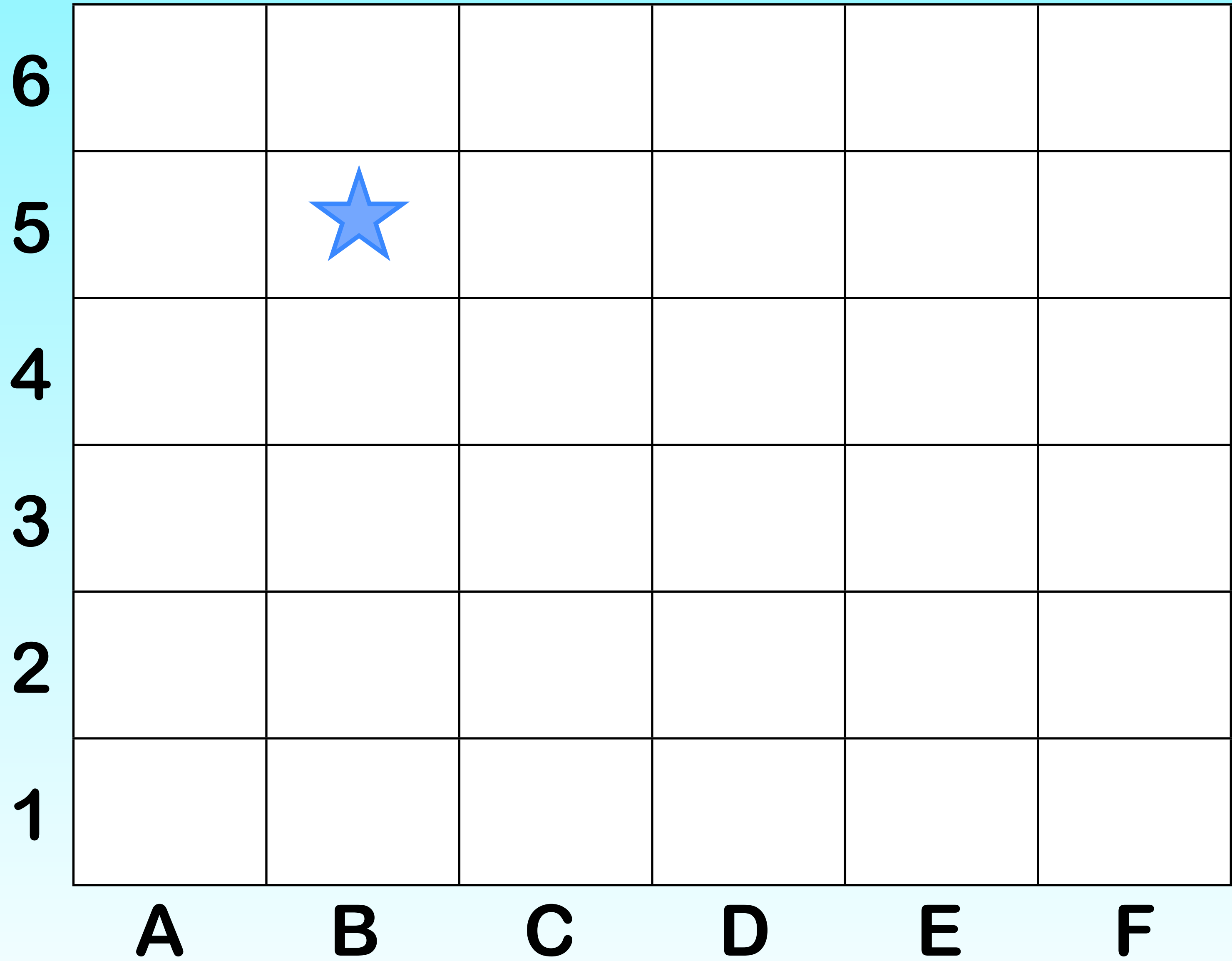
Can you use co-ordinates to describe where this star is?



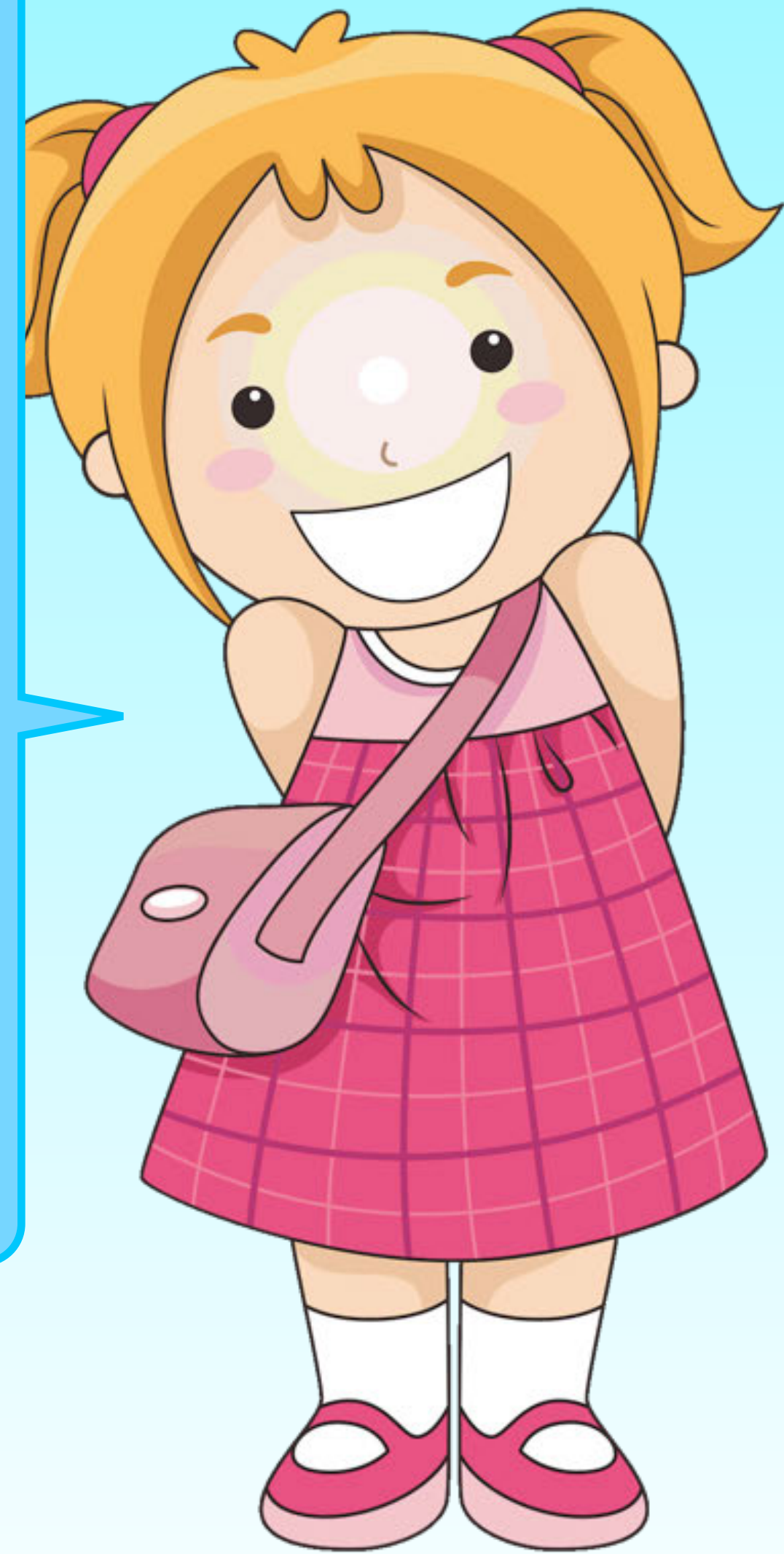


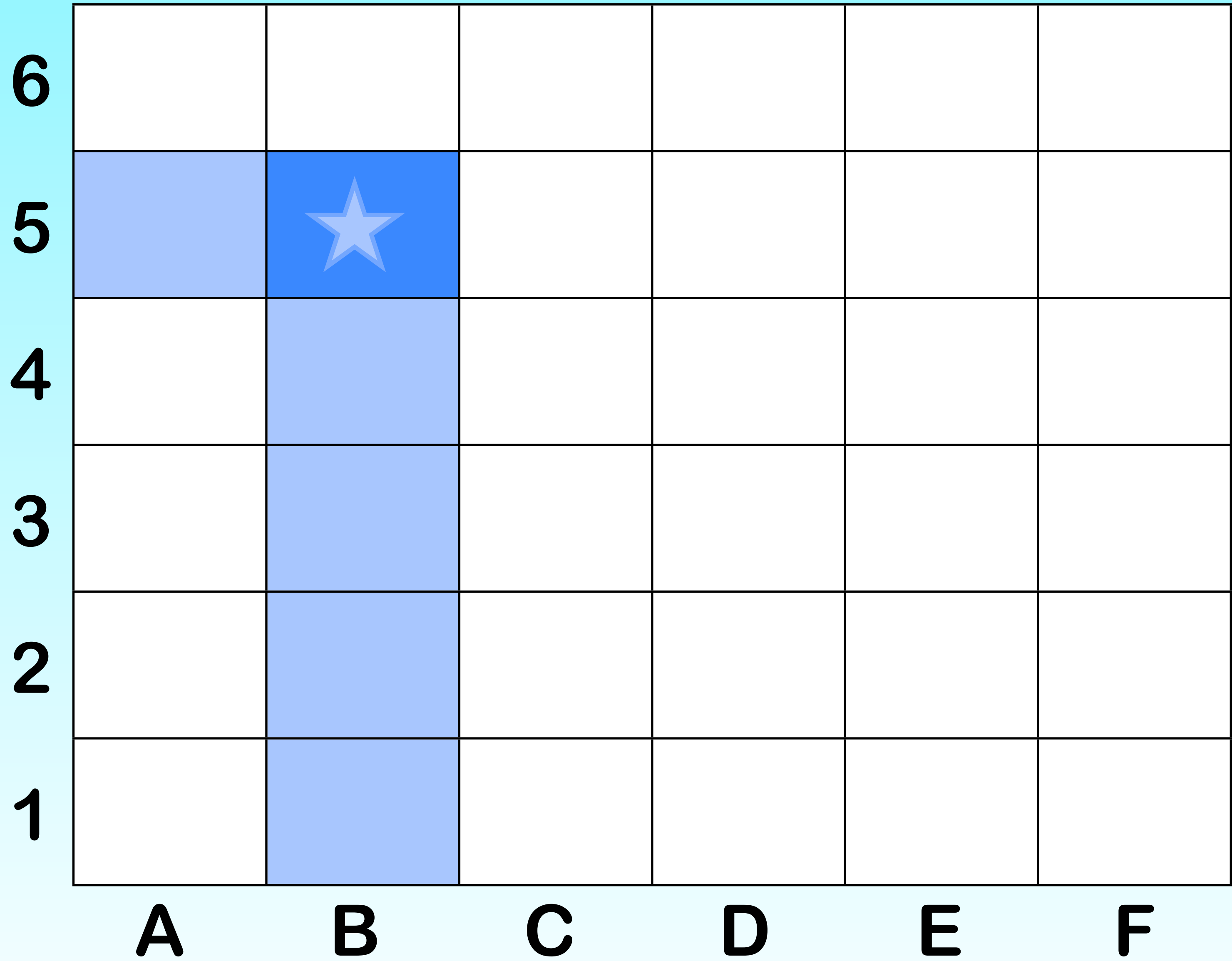
It's in C3! Did you get that right?





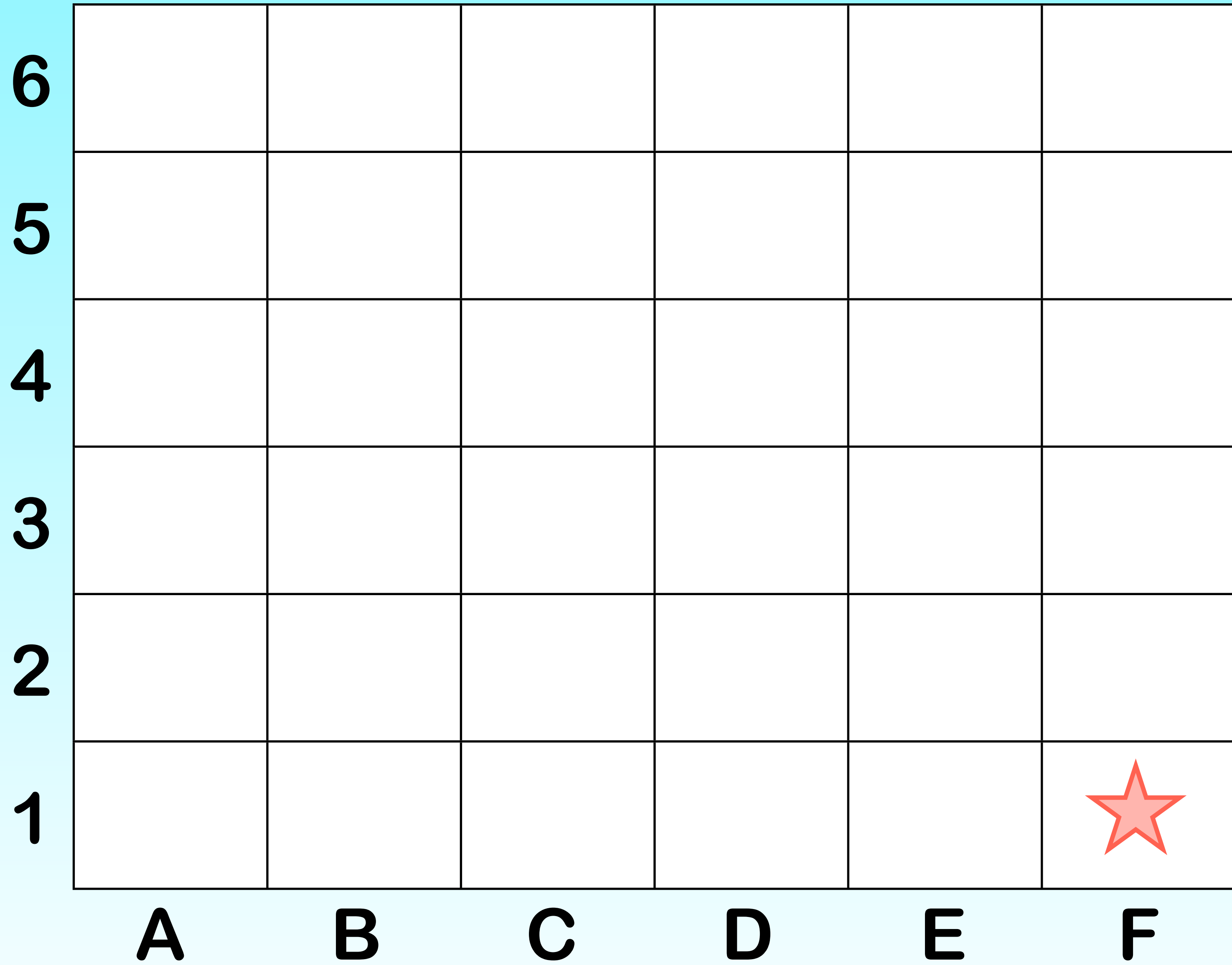
Can you use co-ordinates to describe where this star is?





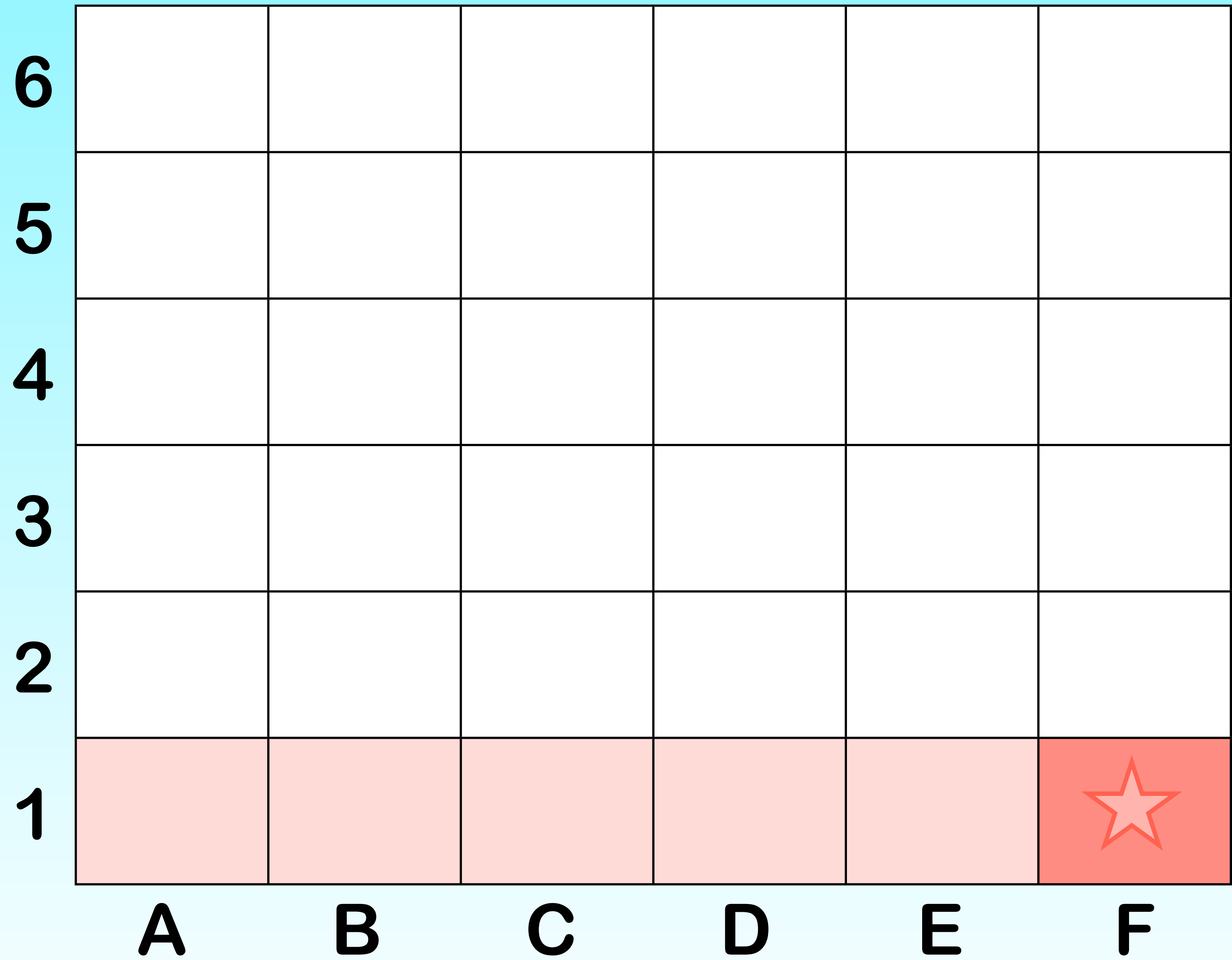
**It's in
B5! Did
you get
that
right?**





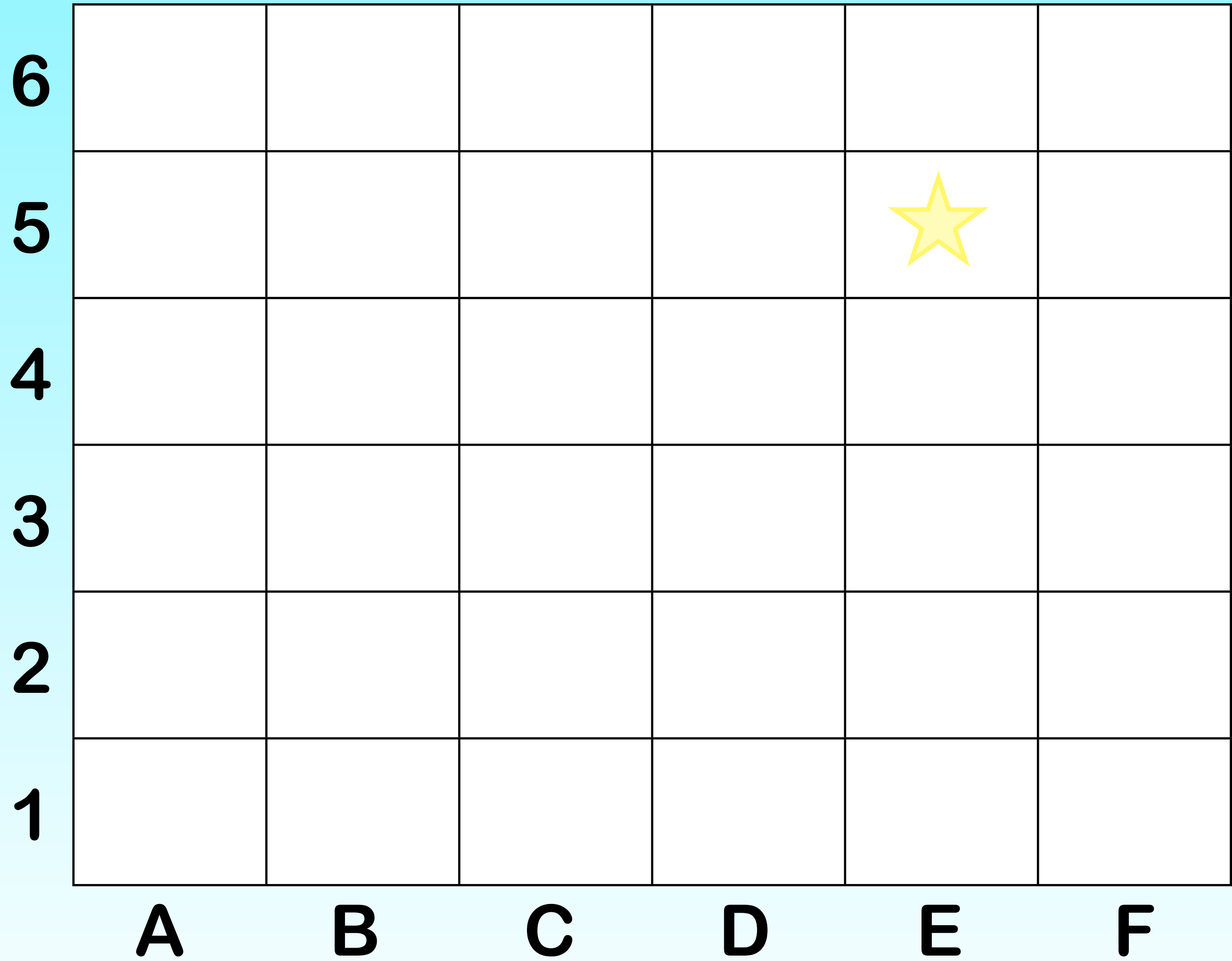
Can you use co-ordinates to describe where this star is?





**It's in
F1! Did
you get
that
right?**





Can you use co-ordinates to describe where this star is?



6						
5				★		
4						
3						
2						
1						
	A	B	C	D	E	F

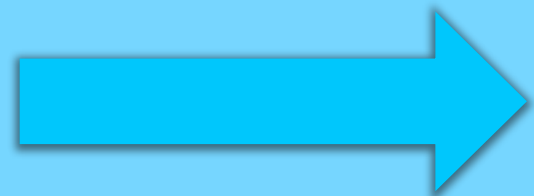
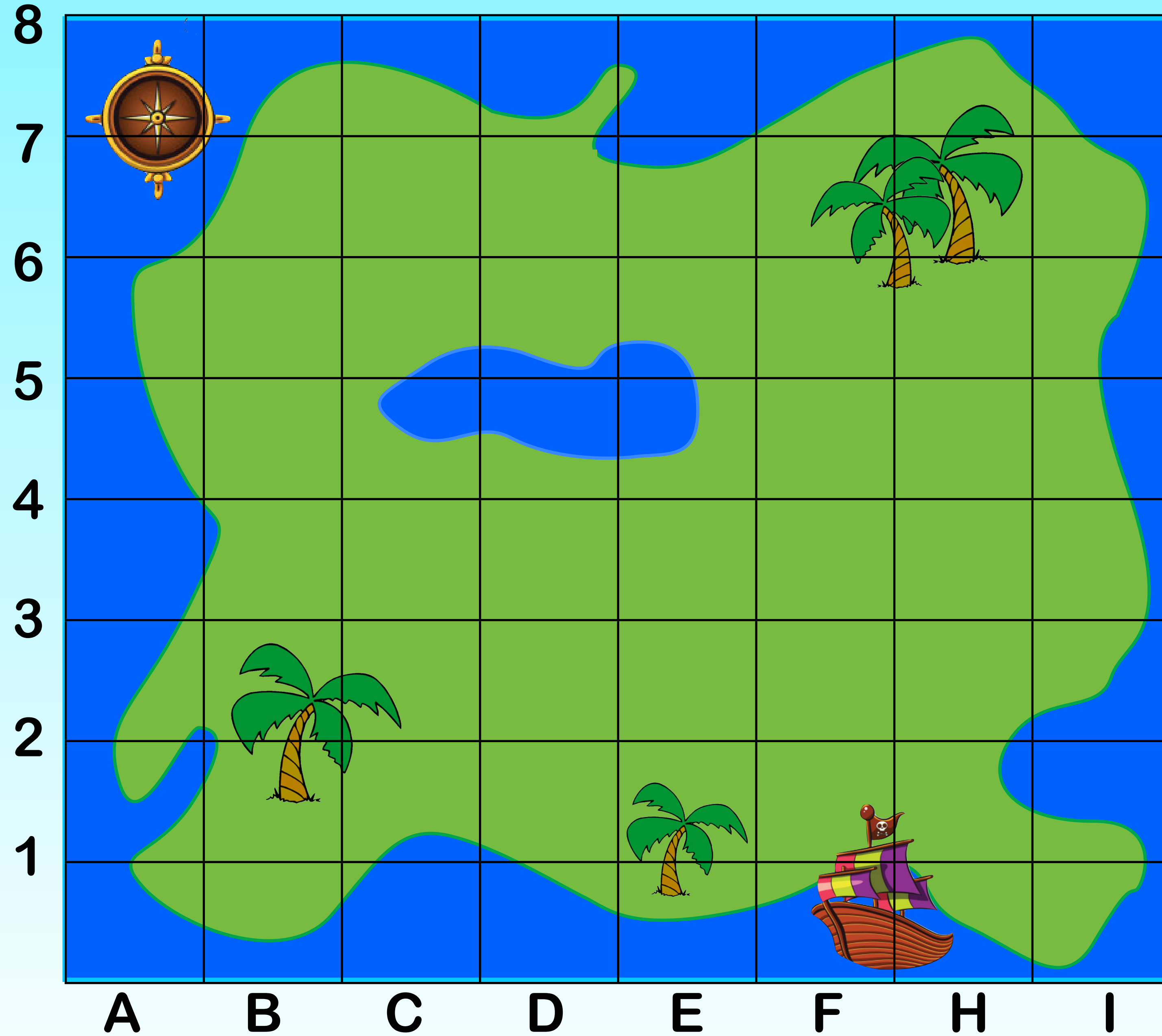
It's in E5! Did you get that right?





Plenary:

We're looking for buried treasure! Can you choose a square to click on?



You found it!
Well done!

