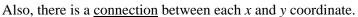
Number Patterns in the Coordinate Grid

In this lesson, we will study rules that connect the two coordinates *x* and *y* of a point.

Example 1. The table lists the coordinates of four points:

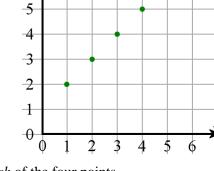
х	1	2	3	4
у	2	3	4	5

These number pairs (1, 2), (2, 3), (3, 4), and (4, 5) are <u>four points</u> on the coordinate grid (see the image).



This connection, or rule, is: y is 1 more than x. That rule is true for each of the four points.

We can also write this with symbols: y = x + 1.

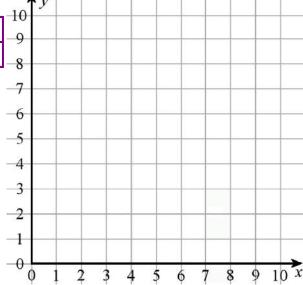


1. Plot the points from the "number rules" or number patterns on the coordinate grids.

a.

x	0	1	2	3	4	5	6
y	3	4	5	6	7	8	9

The rule is: y = x + 3.



b.

х	0	1	2	3	4	5	6
у	6	5	4	3	2	1	0

The rule is: x and y always add up to 6. In other words, x + y = 6.

