

CHAPTERTHREE





Use the ideas below to talk about the man in the photo.

French Rene Descartes mathematician Coordinate Grid System



Rene Descartes was a French mathematician. He created **"Coordinate** Grid System["].

"Coordinate Grid System"







To describe the position of a point, we use 2 numbers:

The first number tells us how far you move right(+)/ Left(- numbers).

The second number tells us how far you move up/ Down(-numbers).



The set of two numbers are called coordinates: (2,3). Now let's plot them.

We say: A has coordinates(2,3). We write: A(2,3).



(-4,3). Now let's plot them.



(-4,-2). Now let's plot them.



(3, -2). Now let's plot them.







B(-1,1)

C(4, -5)



-						5					
-						4					
-						3					
-						2					
-						1					
	1			*****		 					
	-5	-4	-3	-2	-1		1	2	3	4	5
_	-5	-4	-3	-2	-1	 -1	1	2	3	4	5
-	-5	-4	-3	-2	-1	-1 -2	1	2	3	4	5
-	-5	-4	-3	-2	-1	-1 -2 -3	1	2	3	4	5
-	-5	-4	-3	-2	-1	-1 -2 -3 -4	1	2	3	4	5

Write

the coordinates.







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Each set of 2 numbers are called c....



Lead-in: making a class grid(dividing the class into two lines of (Y and X axis)

Sticking numbers on Ss's desks before class.

Writing a coordinates on the board..

Calling 2 students to read the coordinates and they have to locate the right students.

Draw a grid like this.
 Plot (1,0) and (5,4) on
 your grid.

Draw a line between the two points.



What three other pairs of coordinates are on the line?

2. You need four keys to open the treasure chest. The first three keys are at the coordinates (4,2),(2,0) and (1,1).



a) What are the letters of the keys that open the first three locks?
b) The four keys that open the chest are at the corners of a rectangle.
Which key opens the fourth lock?
c) What are the coordinates of the fourth key?