

## To Start

Can you complete the number grid by putting the numbers into the correct places? It's like a crossword but with numbers not letters.

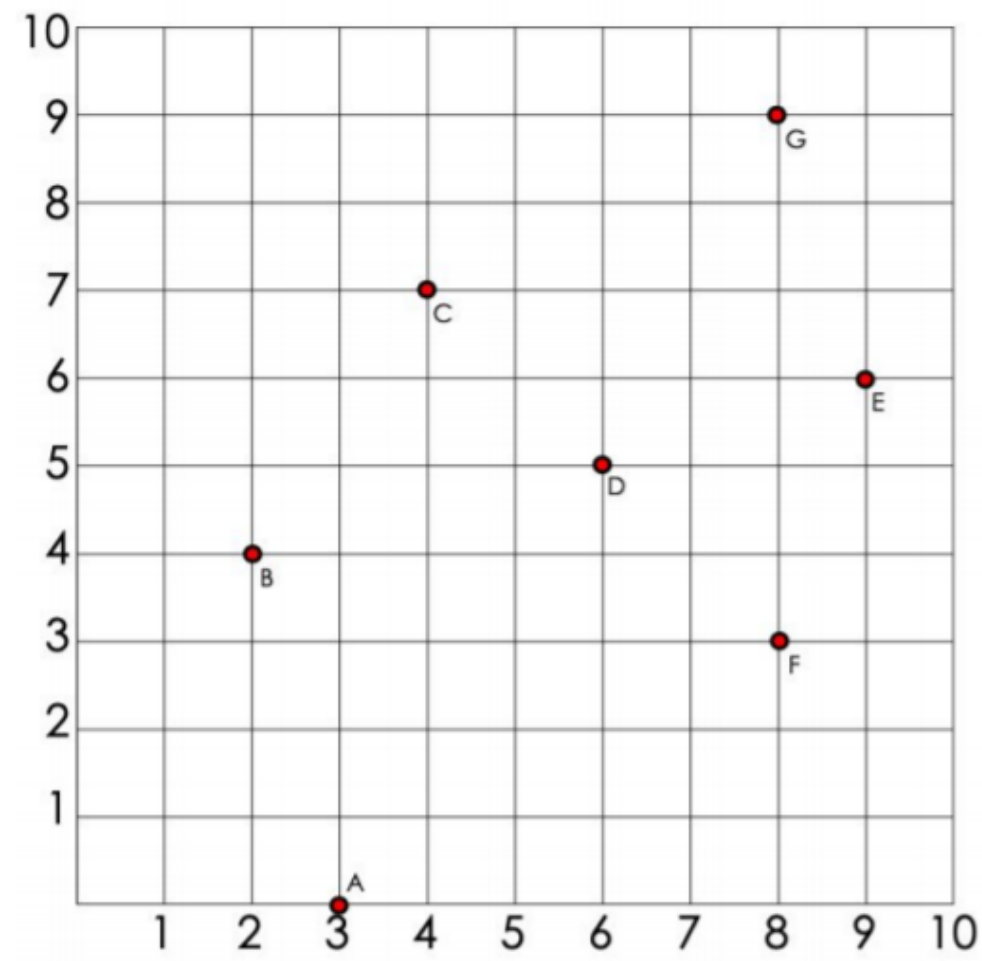
[illegible]

3 DIGITS	4 DIGITS	
187	1098	6279
260	1947	7386
365	3265	7649
705	4671	8063
729	5069	<del>9702</del>
963	5934	9746
973		5
		18091

5 DIGITS		6 DIGITS
18091	53784	159304
23765	67037	<del>562971</del>
25971	87197	
35876	94102	
39678	95471	

# To start

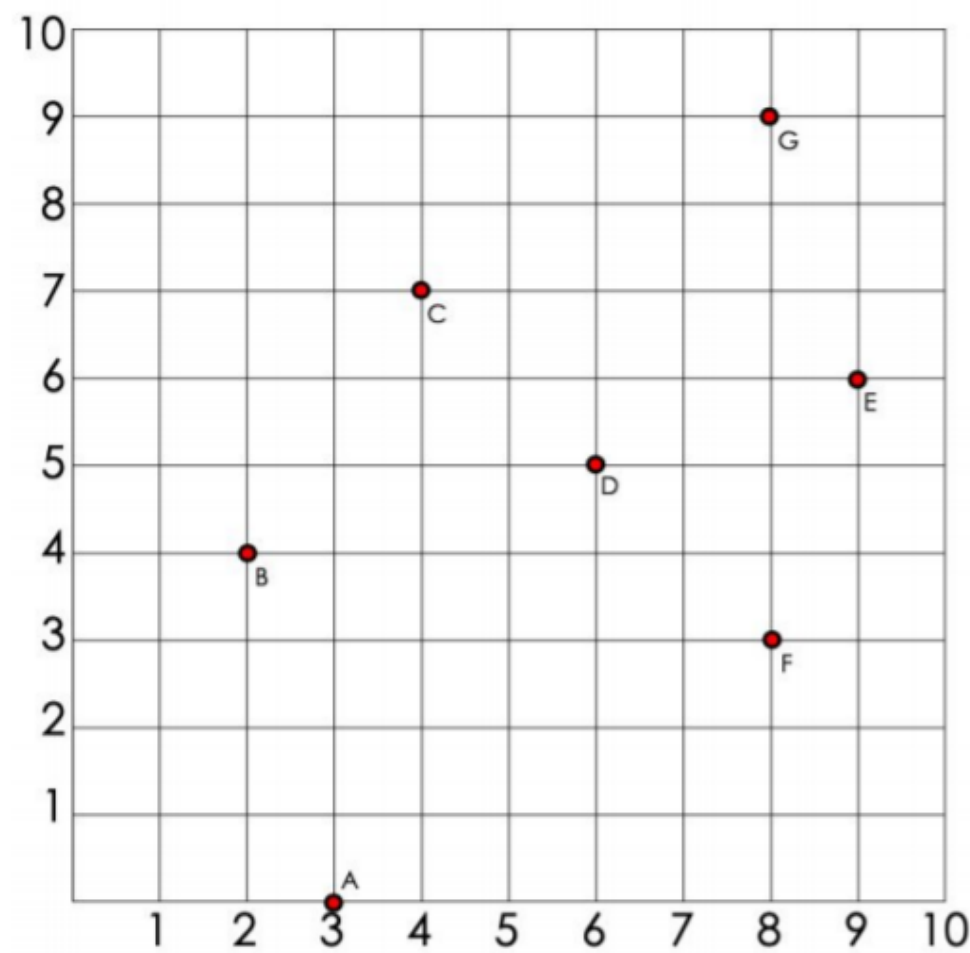
Can you work out the coordinates for each of the points on this grid?



Point	Coordinates
A	
B	
C	
D	
E	
F	
G	

# Moving on

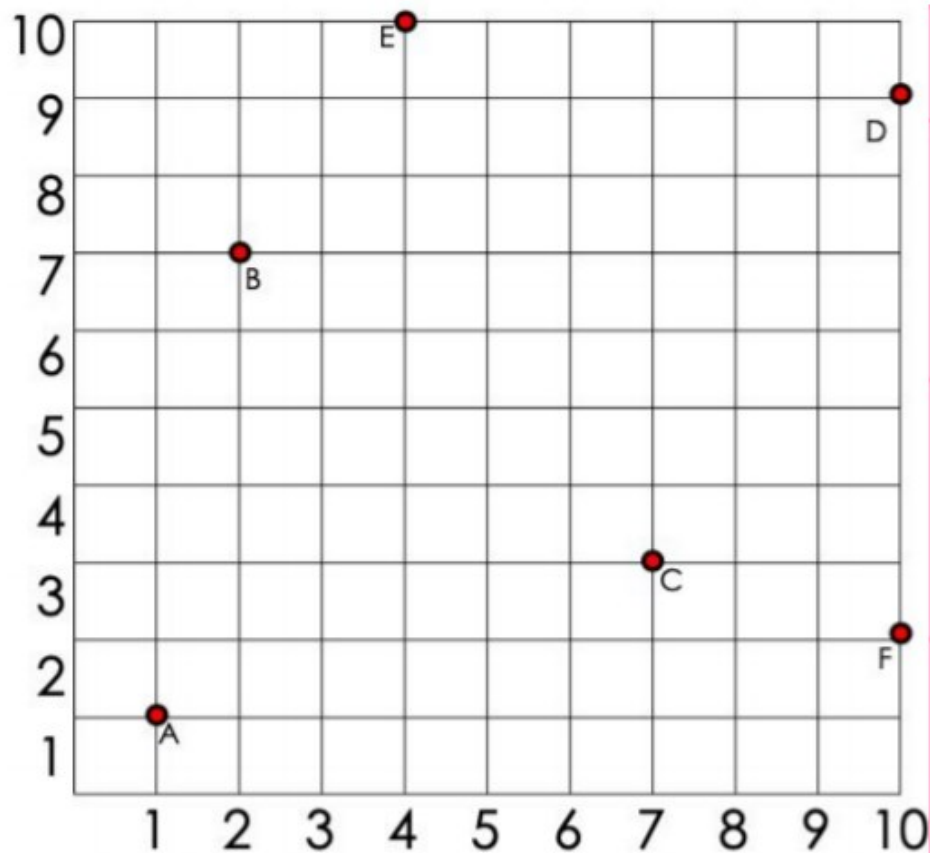
Can you figure out how the points have been translated? The first has been done for you.



Point	Translation
A to B	1 left , 4 up
B to C	
C to D	
D to E	
E to F	
F to G	
G to A	

# Challenge

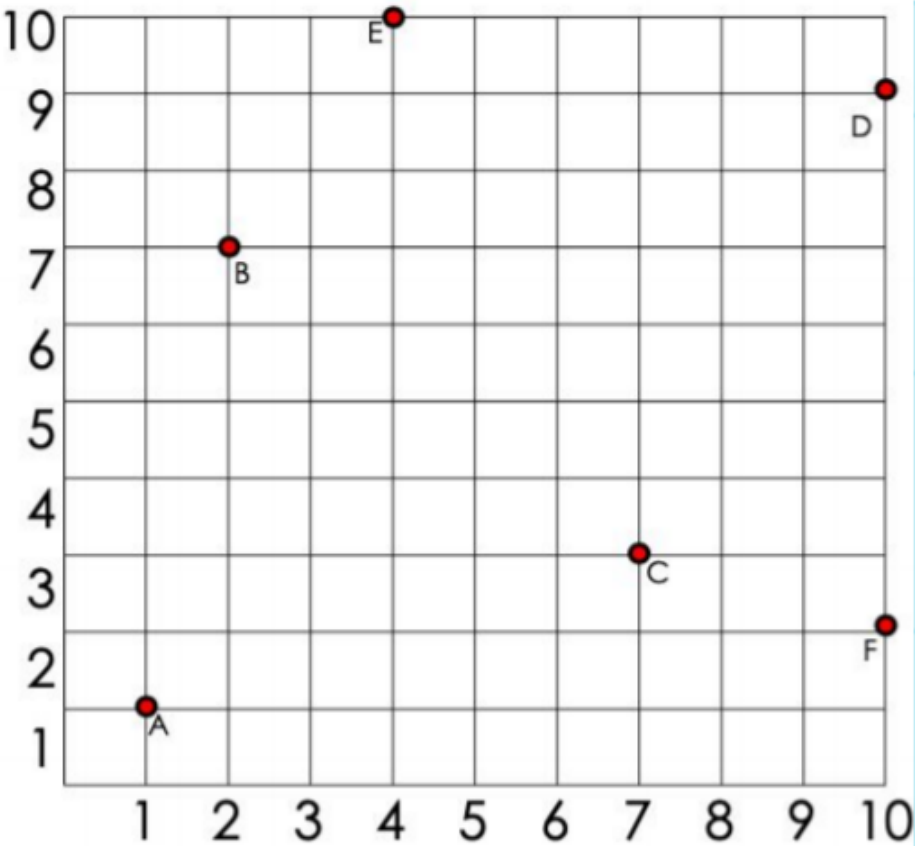
These are the final translations of some points. Can you work out where each point started?



Clue	Start
Point A moves 2 spaces left and 2 down. What were the original coordinates?	
Point B moved 3 spaces left and 2 up. What were the original coordinates?	
Point C moved 1 space right and 3 up. What were the original coordinates?	

# Challenge

These are the final translations of some points can you work out where each point started?



Clue	Start
Point D moved 3 spaces right and 0 up. What were the original coordinates?	
Point E moved 1 space right and 9 spaces up. What were the original coordinates?	
Point F moved 8 right and 4 spaces down. What were the original coordinates?	