

Data Representation

Graphs are a very important way to represent data.

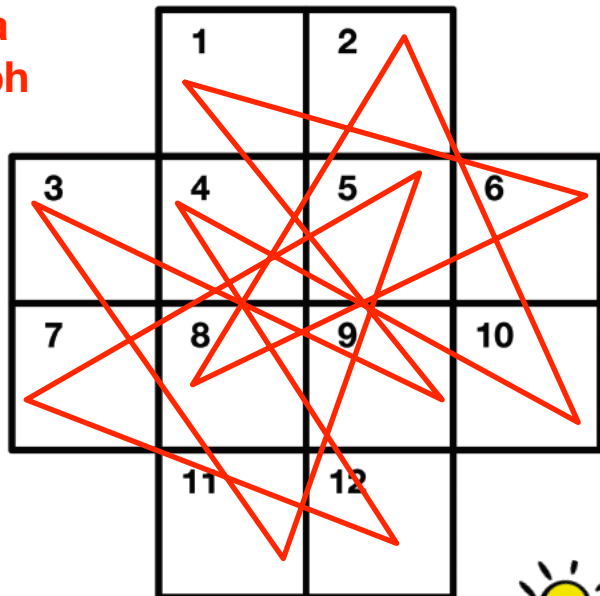
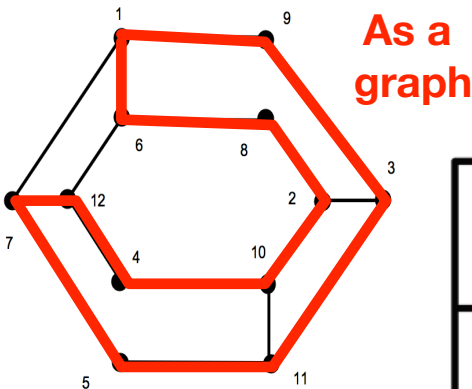
The Knight's Tour



SOLUTION

A knight moves in Chess in an L-shape landing on a new square. For example, a knight on square 1 of the board below can move to square 6, 7 or 9, as shown below.

Place a knight (or counter) on square 1. Making only “knight” moves, visit every square exactly once, ending back at square 1.



Tick the circle when you have attempted the puzzle and so practised the skill.

Skill:
Representing
Data

Skill:
Algorithmic
Thinking

HINT: If you find this hard, draw a graph of the possible moves. Make each square a numbered circle and draw lines between circles the knight can jump between. Have you seen the graph before?



Knight image by Clikar-Free-Vector-Images from Pixabay