



# Pumpkins and moons



Alice and John are playing a game of "true or false" on the magnetic whiteboard in their classroom. The board is split into five rows and five columns. Alice has put eleven different magnetic shapes on the board. She then makes four statements about the shape, colour, size and position of the shapes. Only one statement is allowed to be true. John must figure out which one it is.


## QUESTION

Which of the following statements is true?

- A. Each column has either two different shapes or two different colours.
- B. The board has a magnet for each possible combination of shape/size/colour.
- C. Each row has an orange magnet to the right of a black magnet.
- D. No row has more than two magnets of the same colour.

Computational thinking resources for teachers by Maynooth University – [pact.cs.nuim.ie](http://pact.cs.nuim.ie)  
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