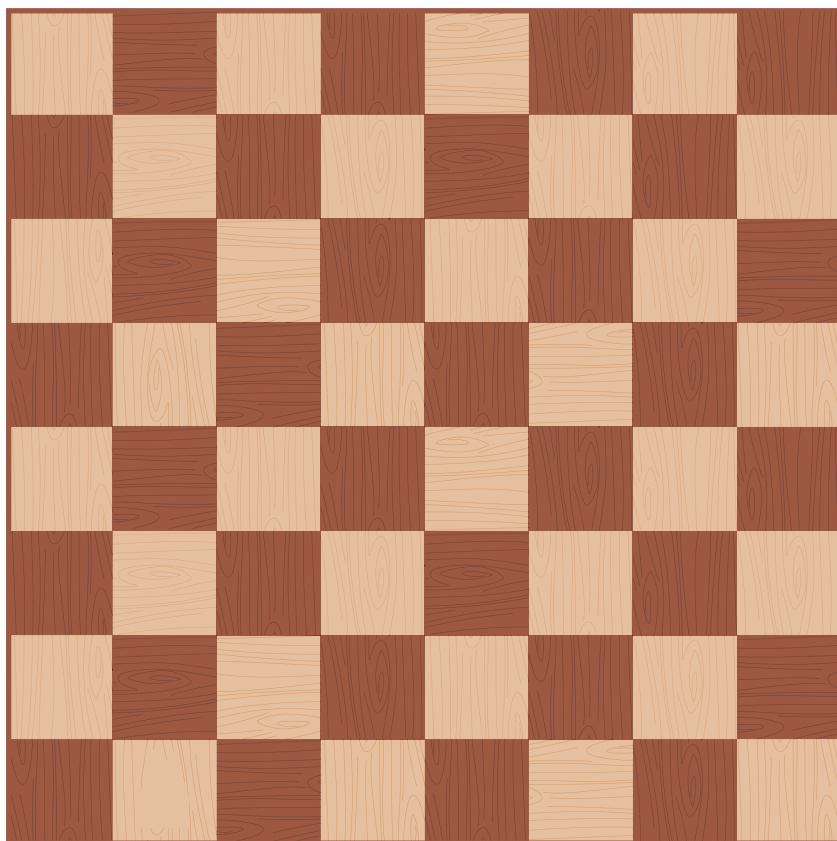


GAME BOARD TRANSFORMATIONS

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- 1 Does a chess board have **line symmetry**?
If so, how many and where are they?
- 2 Does a chess board have **rotational symmetry**? Explain.
- 3 When the **pieces** are set up on a chess board, is their arrangement **symmetrical**? Explain.



GAME BOARD TRANSFORMATIONS

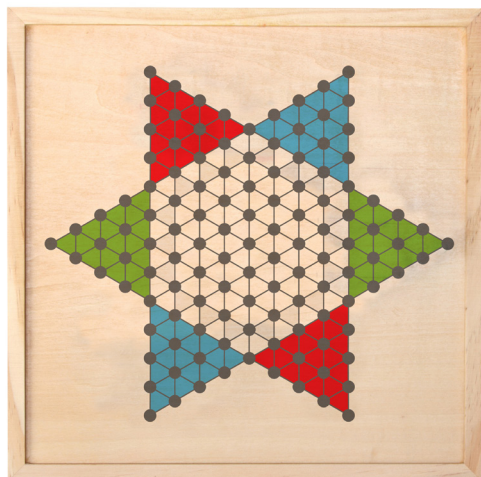
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The Games Company makes game boards.

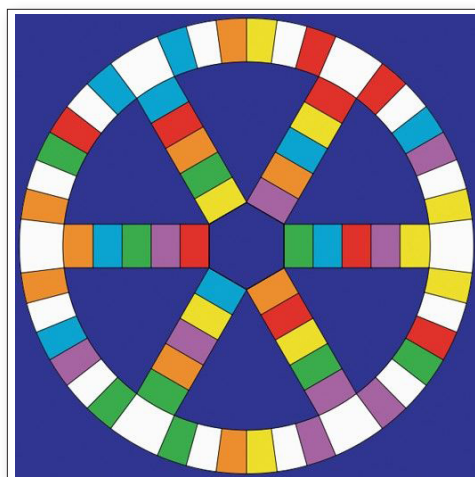
- 1 How could the designer use **rotation**, **translation** and **reflection** to help draw each of these game boards, **before** colour is added?

- 2
 - a Which boards have **line** symmetry when the colour is added?
 - b Which have **rotational** symmetry when the colour is added?
 - c Which have **no** symmetry when the colour is added?

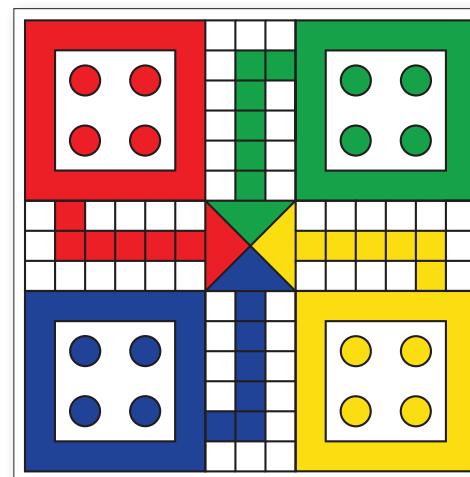
BOARD A



BOARD B



BOARD C



BOARD D

