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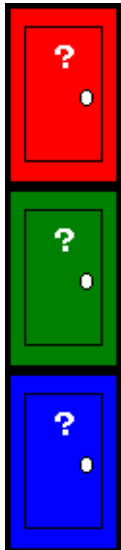
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Regulars

Three doors



This issue's puzzle is based on a well–known problem in probability.



A game show host hides a prize behind one of three doors. The contestant has to guess which door hides the prize. The rules of the game are as follows.

Firstly, the contestant chooses a door and tells the host this is the one she thinks the prize is behind. The host must then open one of the *other* doors. Of course, the host does not want to reveal the whereabouts of the prize so he always opens a losing door.

The host then asks the contestant if she would like to stick with the door she originally chose or switch to the other unopened one.

Should she switch doors?

We will publish the best explanation in the next issue, along with the answer to the problem itself. Please submit your answer, with explanation, to [Any comments?](#)

Solution



Plus is part of the family of activities in the Millennium Mathematics Project, which also includes the NRICH and MOTIVATE sites.