



## Card Frame: Puzzle By Henry Ernest Dudeney.

To accompany the IWB resource inspired by this puzzle and found at:  
<http://www.teacherled.com/2009/06/09/card-frame/>

In the illustration we have a frame constructed from the ten playing cards, ace to ten of diamonds. The children who made it wanted the pips on all four sides to add up alike, but they failed in their attempt and gave it up as impossible. It will be seen that the pips in the top row, the bottom row, and the left-hand side all add up 14, but the right-hand side sums to 23. Now, what they were trying to do is quite possible. Can you rearrange the ten cards in the same formation so that all four sides shall add up alike? Of course they need not add up 14, but any number you choose to select.

You can make this puzzle much easier than just using trial and error...

