

RAM Maths Circle

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In this session, the facilitators amused the students with a card trick and asked them to figure the maths behind it.

- Start with a deck of 52 cards. First, remove 25 cards from the top. After that add these 25 in the same order to the bottom of the deck.
- Once done, remove the first 3 cards from the top. Now, for each of the 3 cards, considering their value, complete the set upto 13 cards. For example, if one of the card is of value 6, then keep 7 cards below it. Do the same for each of the 3 cards. Now, add the values of the 3 cards and then remove the same number of cards from the remaining deck.
- Surprisingly, facilitators could figure out the last card to be removed every time. How?

