

3 Become a math-magician

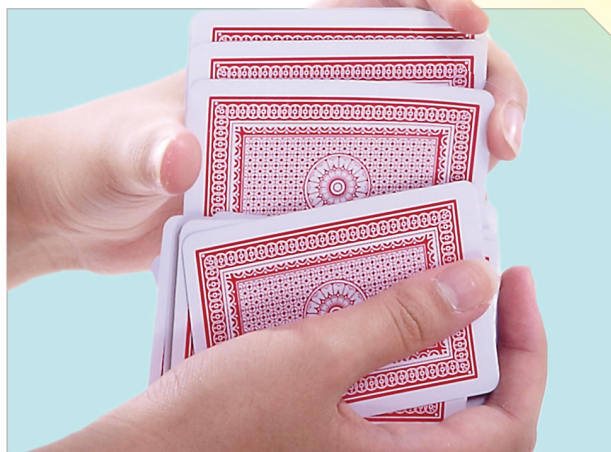
Wow your friends with this maths trick.

What you need

- A pack of cards
- A volunteer

How does it work?

Doubling the card value and multiplying it by five has the same effect as multiplying the card value by 10. When you subtract 15, you take away the 15 you added in step 2. The number that remains is the card value (x10), plus the suit value (1–4).



1 Shuffle the pack of cards in front of a friend or family member. Then ask them to pick a card. Tell them to remember it, but not to tell you, because you're going to read their mind!



2 Ask them to find the value of their card. Ace = 1; numeral card = the value shown on the card (2–10); Jack = 11; Queen = 12; King = 13. Double the card value, then add 3 and multiply by 5.



3 Add 1 to the total if the card is a heart. Add 2 if it is a spade. For diamonds add 3, or add 4 if the card is a club. Once they have the total, ask them to tell it to you. In your head, subtract 15.



4 The first digit (or first two digits) of the number in your head is the card value. The final digit is the suit (see previous step). Astonish your friend by telling them what their card is.

