

Card tricks

Chico's cards are all different.

There is a number from 1 to 8 on each card.



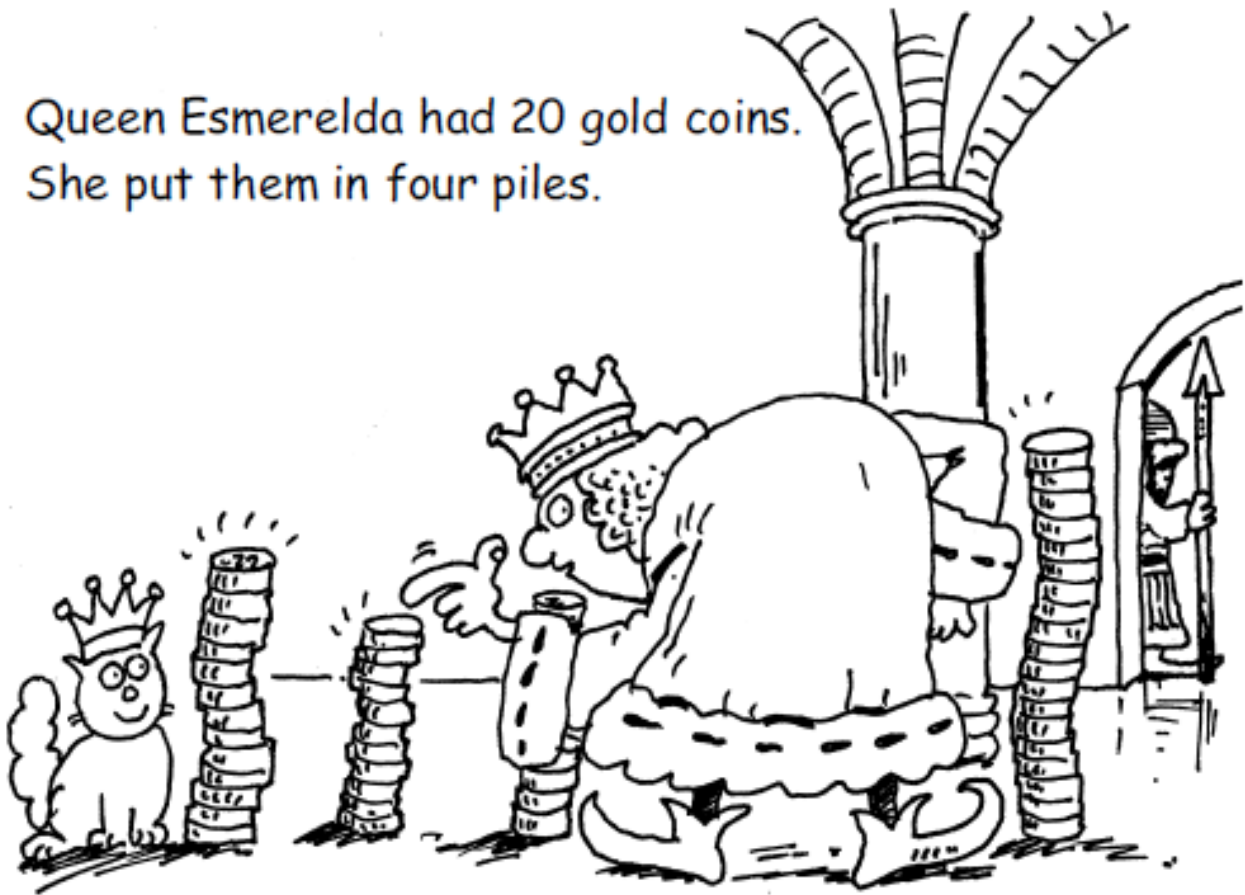
Chico has chosen four cards that add up to 20.
What are they?

There are seven different possibilities.
Try to find them all.

What if Chico has three cards that add up to 16?

Queen Esmerelda's coins

Queen Esmerelda had 20 gold coins.
She put them in four piles.



- ◆ The first pile had four more coins than the second.
- ◆ The second pile had one less coin than the third.
- ◆ The fourth pile had twice as many coins as the second.

How many gold coins did Esmerelda put in each pile?

Answers

Card Tricks

1. $9 + 8 + 2 + 1$

2. $9 + 7 + 3 + 1$

3. $9 + 6 + 4 + 1$

4. $9 + 4 + 5 + 2$

5. $9 + 3 + 6 + 2$

6. $8 + 7 + 3 + 2$

7. $8 + 7 + 4 + 1$

Queen Esmerelda's Coins

1st : 7

2nd: 3

3rd: 4

4th: 6