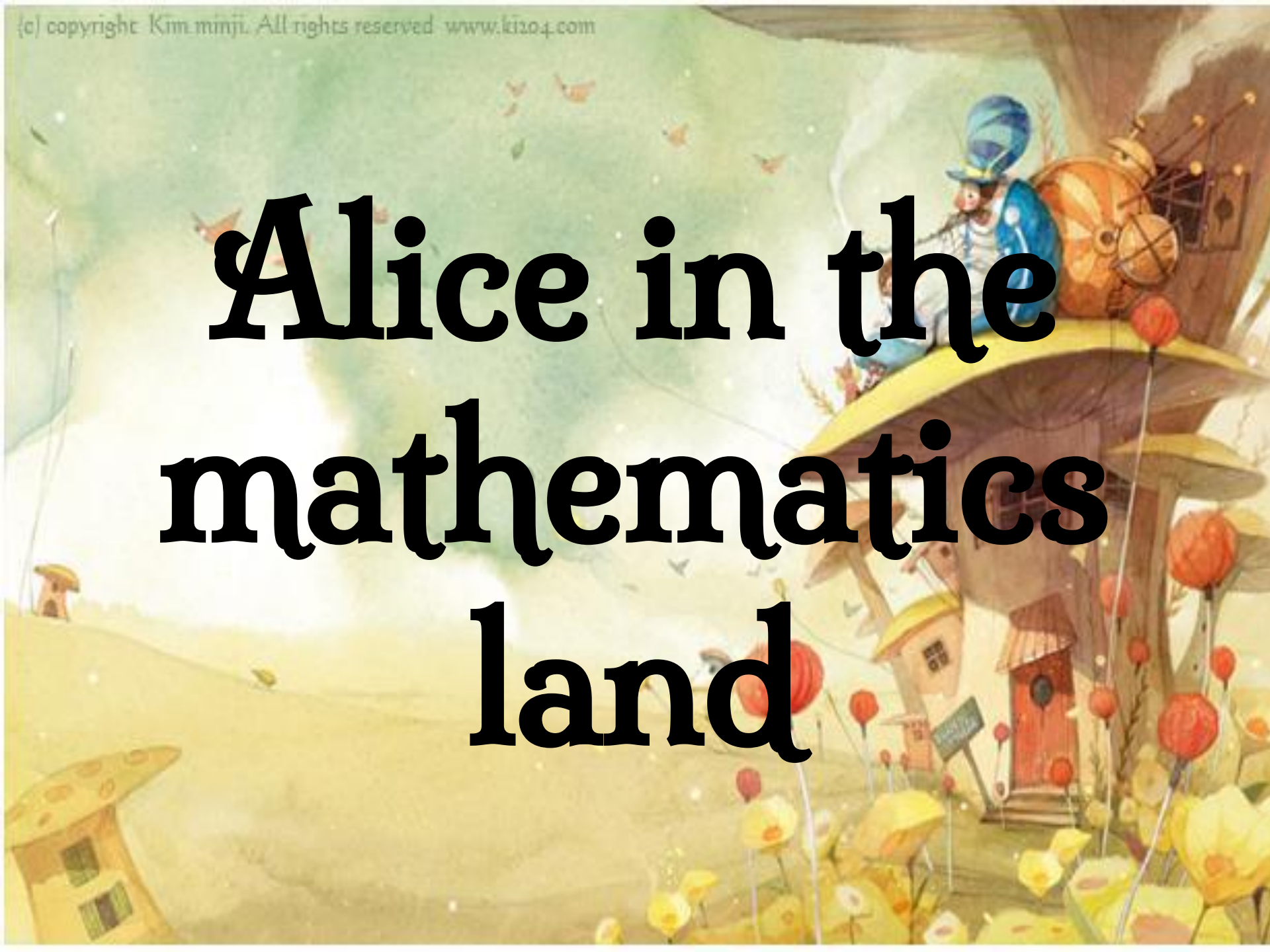


# Alice in the mathematics land



# Lewis Carroll

- Lewis Carroll is an English writer and mathematician. He wrote a famous creation “Alice in the wonderland” for his daughter. It is fantastic book with numerous mathematical , linguistic and philosophical jokes.





# Alice in the wonderland

- It tells the story of the girl named Alice who fell through the rabbit hole into an imaginary world inhabited by strange creatures. The tale is popular with children and adults alike.



# What colour do they have?

white



black



blue



red



brown



Yellow



pink

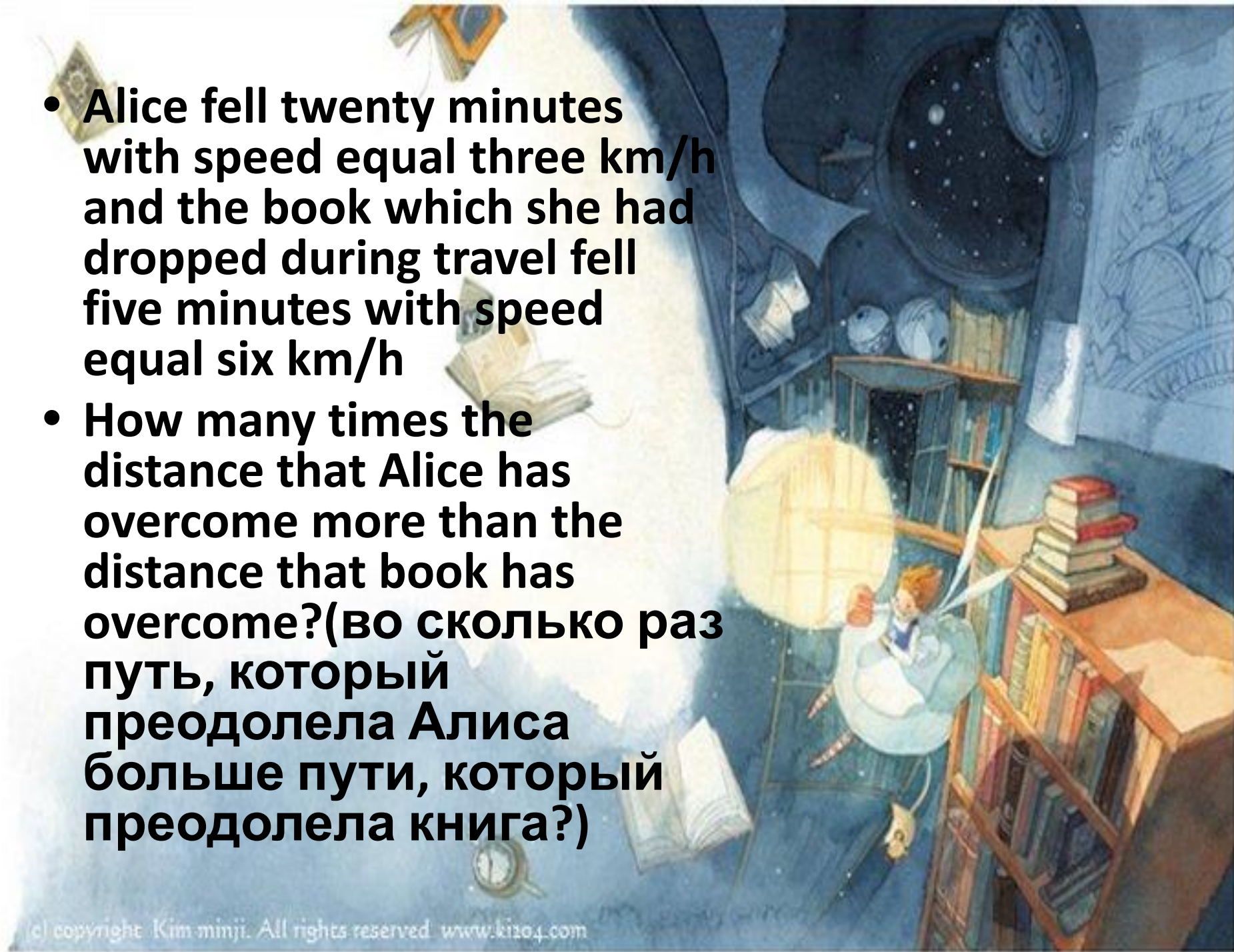


green





- Alice fell twenty minutes with speed equal three km/h and the book which she had dropped during travel fell five minutes with speed equal six km/h
- How many times the distance that Alice has overcome more than the distance that book has overcome?(во сколько раз путь, который преодолела Алиса больше пути, который преодолела книга?)



# let's solve these examples together

- Example multiply-умножить
- Five multiply five equal divide-разделить  
twenty five equal- равно

- $2 * 4 = 8$                        $6 : 6 = 1$
- $8 : 2 = 4$                        $7 * 2 = 14$
- $4 * 5 = 20$                      $8 * 6 = 48$
- $5 * 3 = 15$                      $9 : 3 = 3$





# Let's compare some things

- Example
- Alice is bigger than the table
- Alice is less than the table





- ... is bigger than...
- ... is less than...



# find the biggest and the smallest thing



- ...is the biggest
- ...is the smallest

- Queen of Hearts baked the pies

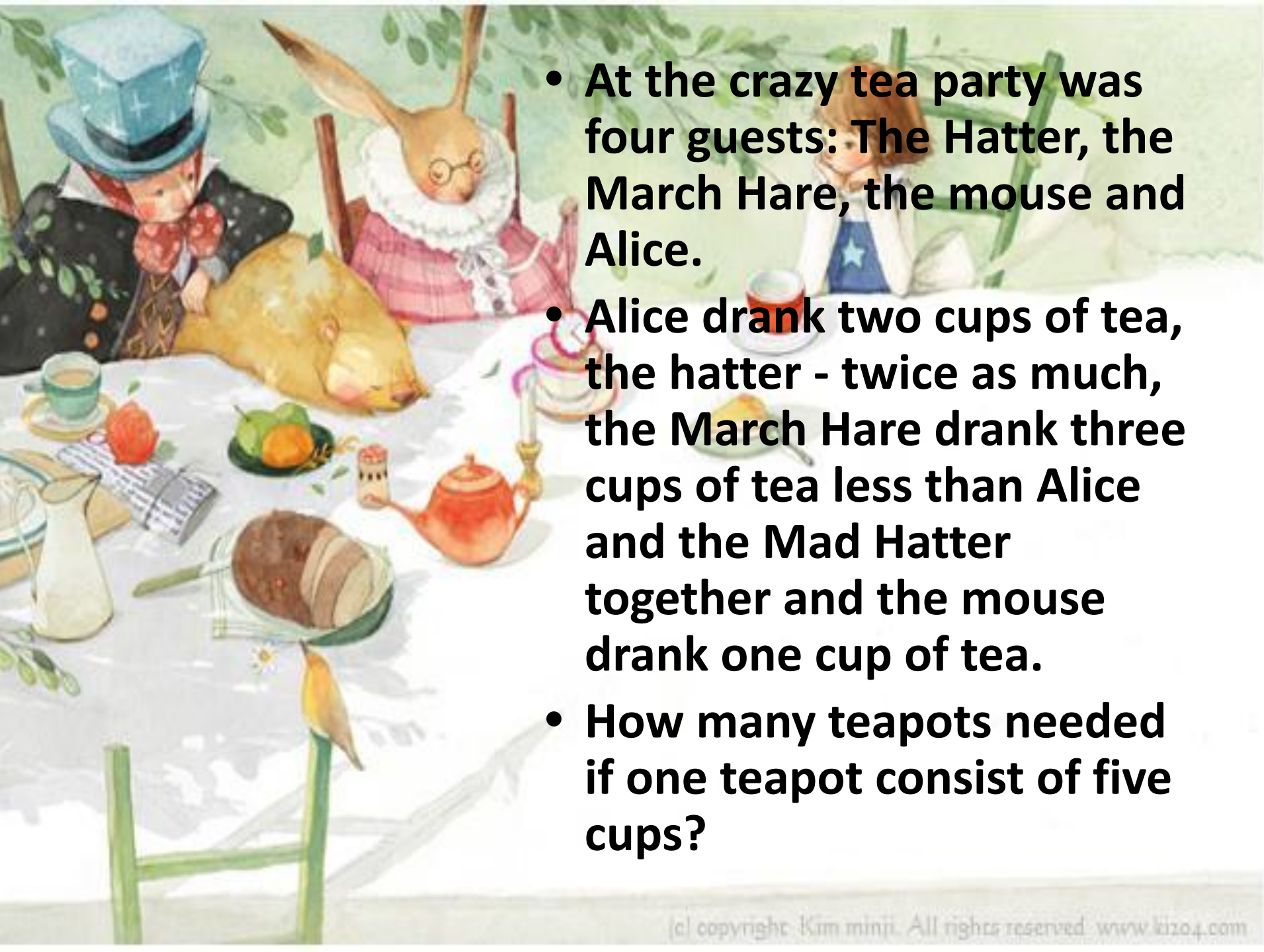
In the summer lovely day .

Knave of Hearts was the cleverest

And the seven pies was taken away.

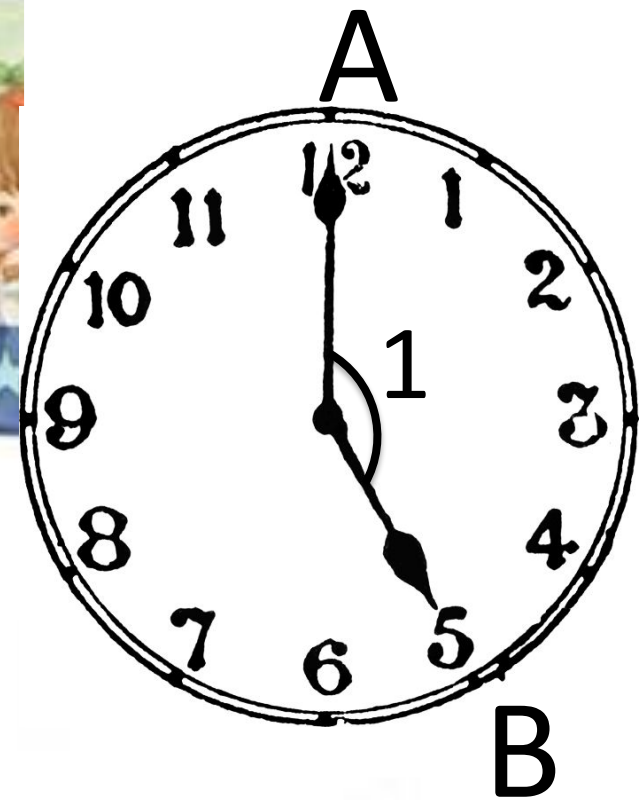
- How many pies were firstly if 5 pies remained?





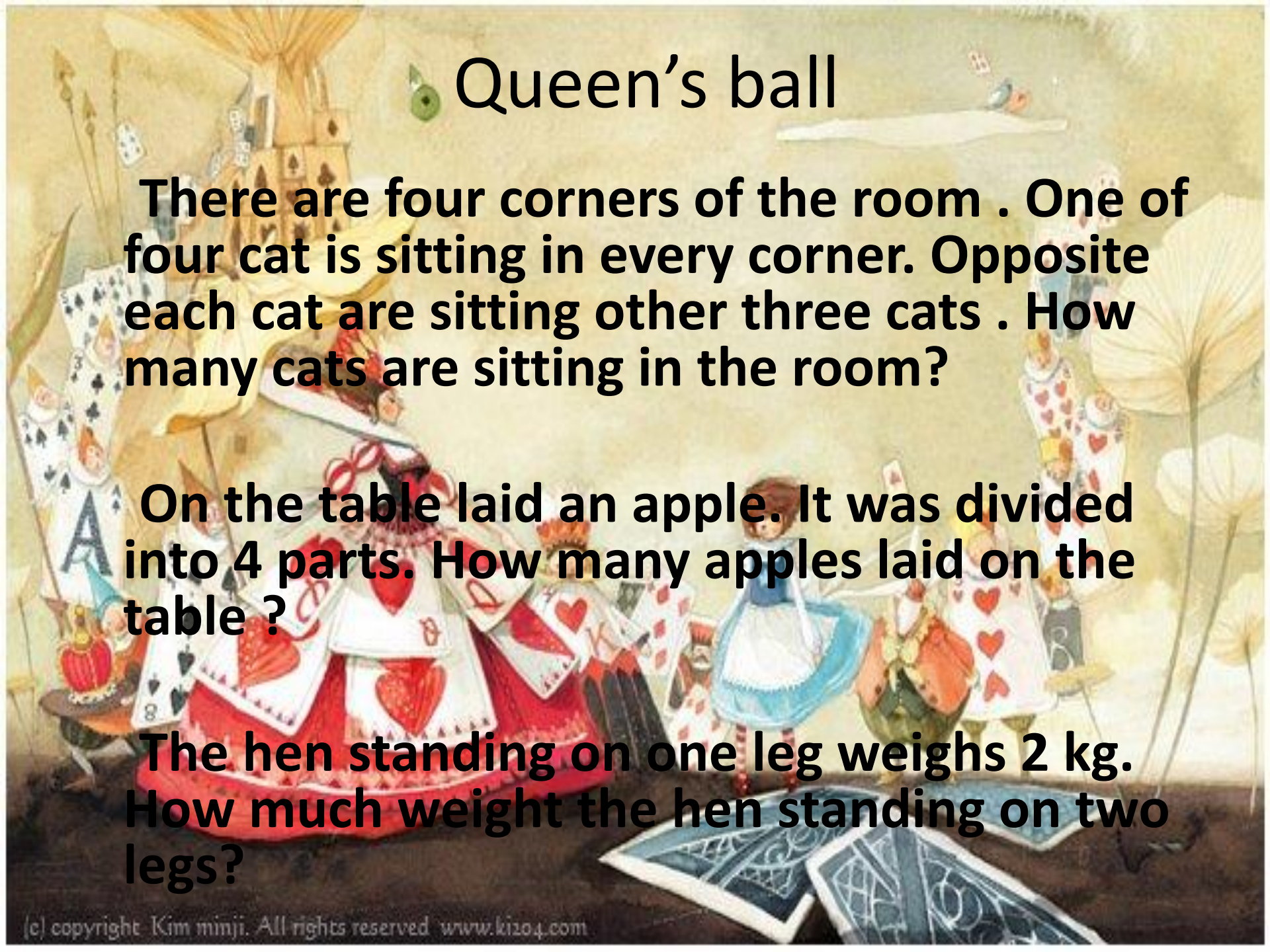
- At the crazy tea party was four guests: The Hatter, the March Hare, the mouse and Alice.
- Alice drank two cups of tea, the hatter - twice as much, the March Hare drank three cups of tea less than Alice and the Mad Hatter together and the mouse drank one cup of tea.
- How many teapots needed if one teapot consist of five cups?

Tea time!



- Find the angle 1 if the arc AB is equal to 210





# Queen's ball

**There are four corners of the room . One of four cat is sitting in every corner. Opposite each cat are sitting other three cats . How many cats are sitting in the room?**

**On the table laid an apple. It was divided into 4 parts. How many apples laid on the table ?**

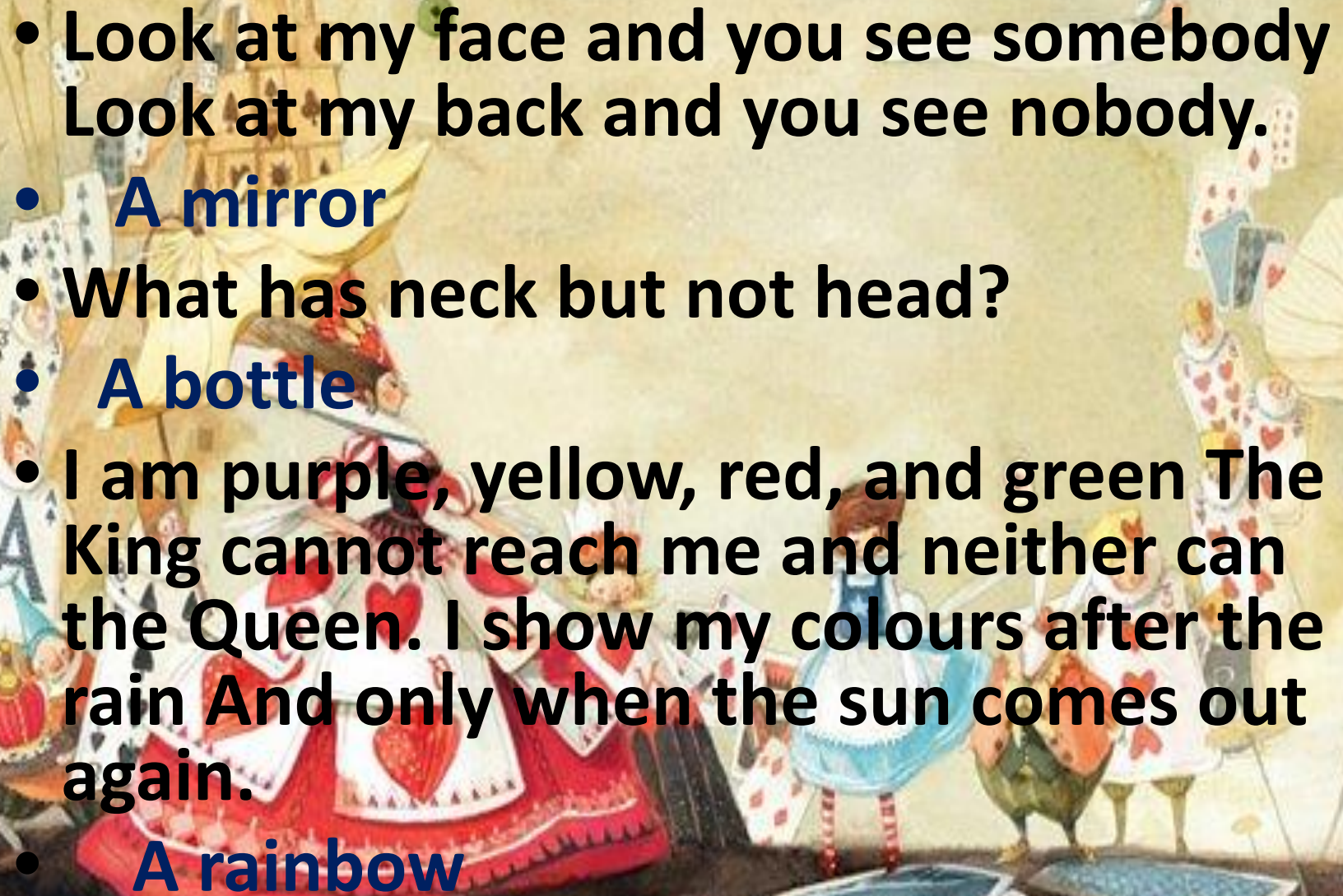
**The hen standing on one leg weighs 2 kg. How much weight the hen standing on two legs?**



# Queen's ball

- Three chicken in three days laid three eggs . How many eggs will lay by nine hens in nine days ?



- 
- Look at my face and you see somebody  
Look at my back and you see nobody.
  - **A mirror**
  - What has neck but not head?
  - **A bottle**
  - I am purple, yellow, red, and green  
The King cannot reach me and neither can  
the Queen. I show my colours after the  
rain And only when the sun comes out  
again.
  - **A rainbow**



$$\text{Life} + \text{Love} = \text{Happy}$$

$$\text{Life} - \text{Love} = \text{Sad}$$

$$\frac{\text{Life} + \text{Love} + \text{Life} - \text{Love}}{2} = \frac{\text{Happy} + \text{Sad}}{2}$$

$$\therefore \text{Life} = \frac{\text{Happy} + \text{Sad}}{2}$$

$$\therefore \text{Life} = \frac{1}{2}\text{Happy} + \frac{1}{2}\text{Sad}$$





Thank you for  
watching

